

ภาคผนวก ญ

เอกสารสอบเทียบเครื่องมือ

List of Instruments Certification for Air & Noise Quality Analysis

No.	Instrument/Equipment	Parameter	Manufacturer	Model/Serial No.	Calibrator	Certification No.	Date of Calibration	Due date of Calibration	Remark
Ambient									
1	Orifice Transfer Standard Calibrator	Total Suspended Particulate (TSP) Particulate Matter < 10 µm (PM ₁₀)	Andersen Instruments, Inc.	G25A 1901	Jiranatee Associates Co., Ltd.	COF-002-66	14 Jul 23	13 Jul 25	-
2	U-Tube Manometer	Total Suspended Particulate (TSP) Particulate Matter < 10 µm (PM ₁₀)	Dwyer	1221-36-W/M -	Technology Promotion Association (Thailand-Japan)	24P1251	11 Apr 24	10 Apr 25	-
3	Aneroid Barometer	Total Suspended Particulate (TSP) Particulate Matter < 10 µm (PM ₁₀)	Barigo, Germany	-	Technology Promotion Association (Thailand-Japan)	24P1369	22 Apr 24	21 Apr 25	-
4	Dial Thermo-Hygrometer	Total Suspended Particulate (TSP) Particulate Matter < 10 µm (PM ₁₀)	Barigo, Germany	-	Technology Promotion Association (Thailand-Japan)	24H753	10 Apr 24	9 Apr 25	-
5	Sound Level Calibrator (Acoustic Calibrator)	Calibrate Sound Level Meter	Svantek	SV36 107224	Innovative Instrument Co.,Ltd.	24-ACT-091	26 Jun 24	25 Jun 25	-
6	Sound Level Meter	L _{Aeq} 1 hour ¹ L _{Aeq} 24 hrs ¹ L _{AFmax} L _{A90}	Larson Davis	LXT2 0005290	Innovative Instrument Co.,Ltd.	24-SLM-238	11 Jul 24	10 Jul 25	-
7	Sound Level Meter	L _{Aeq} 1 hour ¹ L _{Aeq} 24 hrs ¹ L _{AFmax} L _{A90}	Larson Davis	LXT2 0005293	Innovative Instrument Co.,Ltd.	24-SLM-231	10 Jul 24	9 Jul 25	-
8	Sound Level Meter	L _{Aeq} 1 hour ¹ L _{Aeq} 24 hrs ¹ L _{AFmax} L _{A90}	Larson Davis	LXT2 0005299	Innovative Instrument Co.,Ltd.	24-SLM-240	11 Jul 24	10 Jul 25	-
9	Sound Level Meter	L _{Aeq} 1 hour ¹ L _{Aeq} 24 hrs ¹ L _{AFmax} L _{A90}	Larson Davis	LXT2 0005372	Innovative Instrument Co.,Ltd.	24-SLM-229	9 Jul 24	8 Jul 25	-

List of Instruments Certification for Air & Noise Quality Analysis

No.	Instrument/Equipment	Parameter	Manufacturer	Model/Serial No.	Calibrator	Certification No.	Date of Calibration	Due date of Calibration	Remark
Stack									
1	Pre-Test Console	Total Suspended Particulate	Apex Instruments, USA.	XC-572-V 0807047	Envl Equipment Service Co., Ltd.	E24-080074	26 Aug 24	25 Aug 25	-
2	Pre-Test Console	Total Suspended Particulate	Apex Instruments, USA.	XC-572-V 1904011	Envl Equipment Service Co., Ltd.	E24-08073	21 Aug 24	20 Aug 25	-
3	Flue gas Analyzer	Sulphur Dioxide Oxide of Nitrogen as Nitrogen Dioxide Carbon Monoxide	Testo	Testo 350 60723967	Entech Industrial Sulation Co., Ltd.	G 670643	13 Sep 24	12 Sep 25	-
4	Flue gas Analyzer	Sulphur Dioxide Oxide of Nitrogen as Nitrogen Dioxide Carbon Monoxide	Testo	Testo 350 61658816/0419	Entech Industrial Sulation Co., Ltd.	G 670125	23 Feb 24	22 Feb 25	-

List of Instruments Certification for Air & Noise Quality Analysis

No.	Instrument/Equipment	Parameter	Manufacturer	Model/Serial No.	Calibrator	Certification No.	Date of Calibration	Due date of Calibration	Remark
Workplace									
1	Primary Flow Calibrator	Calibrate personal pump	TSL Inc	4146 41461708009	Innovative Instrument Co., Ltd.	24-AFM-057 Rev.1	22 Mar 24	21 Mar 25	-
2	Aneroid Barometer	Total Dust Respirable Dust Silica Oil mist Xylene Nickel Nitrate as Nickel Ethylene Glycol Monoethyl Ether Dibutyltin Oxide as Sn Phosphoric Acid Hydrofluoric Acid Hydrofluorosilicic Acid as F Acetic Acid	Barigo, Germany	-	Technology Promotion Association (Thailand-Japan)	24P1370	22 Apr 24	21 Apr 25	-
3	Digital Thermo - Hygrometer	Total Dust Respirable Dust Silica Oil mist Xylene Nickel Nitrate as Nickel Ethylene Glycol Monoethyl Ether Dibutyltin Oxide as Sn Phosphoric Acid Hydrofluoric Acid Hydrofluorosilicic Acid as F Acetic Acid	Digicon	TH-02 395034173	Technology Promotion Association (Thailand-Japan)	24H716	10 Apr 24	9 Apr 25	-
4	Sound Level Meter	$L_{Aeq} 12$ hrs, $L_{min} 12$ hrs	Rion, Japan	NL-42 00409109	Sithporn Associates Co., Ltd.	ACL24054	18 Jan 24	17 Jan 25	-

List of Instruments Certification for Air & Noise Quality Analysis

No.	Instrument/Equipment	Parameter	Manufacturer	Model/Serial No.	Calibrator	Certification No.	Date of Calibration	Due date of Calibration	Remark
Workplace									
5	Sound Level Meter	L_{Aeq} 12 hrs, L_{Amax} 12 hrs	Rion, Japan	NL-42 00409176	Sithiporn Associates Co., Ltd.	ACL24056	18 Jan 24	17 Jan 25	-
6	Sound Level Meter	L_{Aeq} 12 hrs, L_{Amax} 12 hrs	Rion, Japan	NL-42 00409178	Sithiporn Associates Co., Ltd.	ACL24162	4 Jun 24	3 Jun 25	-
7	Sound Level Meter	L_{Aeq} 12 hrs, L_{Amax} 12 hrs	Rion, Japan	NL-42 00709651	Sithiporn Associates Co., Ltd.	ACL24059	18 Jan 24	17 Jan 25	-
8	Sound Level Meter	L_{Aeq} 12 hrs, L_{Amax} 12 hrs	Rion, Japan	NL-42 00709682	Sithiporn Associates Co., Ltd.	ACL24101	29 Jan 24	28 Jan 25	-
9	Sound Level Meter	L_{Aeq} 12 hrs, L_{Amax} 12 hrs	Rion, Japan	NL-42 01010777	Sithiporn Associates Co., Ltd.	ACL24163	4 Jun 24	3 Jun 25	-
10	Sound Level Meter	L_{Aeq} 12 hrs, L_{Amax} 12 hrs	Rion, Japan	NL-42 01010778	Sithiporn Associates Co., Ltd.	ACL24157	30 May 24	29 May 25	-
11	Sound Level Meter	L_{Aeq} 12 hrs, L_{Amax} 12 hrs	Rion, Japan	NL-42 01010781	Sithiporn Associates Co., Ltd.	ACL24158	30 May 24	29 May 25	-
12	Sound Level Meter	L_{Aeq} 12 hrs, L_{Amax} 12 hrs	Rion, Japan	NL-42 01010784	Sithiporn Associates Co., Ltd.	ACL24102	29 Apr 24	28 Apr 25	-
13	Sound Level Meter	L_{Aeq} 12 hrs, L_{Amax} 12 hrs	Rion, Japan	NL-42 01010785	Sithiporn Associates Co., Ltd.	ACL24168	6 Jun 24	5 Jun 25	-
14	Sound Level Meter	L_{Aeq} 12 hrs, L_{Amax} 12 hrs	Rion, Japan	NL-62 00881367	Sithiporn Associates Co., Ltd.	ACL24065	18 Jan 24	17 Jan 25	-
15	Sound Level Meter	L_{Aeq} 12 hrs, L_{Amax} 12 hrs	Rion, Japan	NL-62 00511774	Sithiporn Associates Co., Ltd.	ACL24159	4 Jun 24	3 Jun 25	-
16	Sound Level Meter	L_{Aeq} 12 hrs, L_{Amax} 12 hrs	Rion, Japan	NL-62 00511775	Sithiporn Associates Co., Ltd.	ACL24153	30 May 24	29 May 25	-
17	Noise Dosimeter	Noise Dosimeter	Svantek	SV 104IS 106069	Innovative Instrument Co.,Ltd.	24-NDM-018	25 Jan 24	24 Jan 25	-

List of Instruments Certification for Air & Noise Quality Analysis

No.	Instrument/Equipment	Parameter	Manufacturer	Model/Serial No.	Calibrator	Certification No.	Date of Calibration	Due date of Calibration	Remark
Workplace									
18	Noise Dosimeter	Noise Dosimeter	Svantek	SV 104IS 106134	Innovative Instrument Co.,Ltd.	24-NDM-117	9 May 24	8 May 25	-
19	Noise Dosimeter	Noise Dosimeter	Svantek	SV 104 117689	Innovative Instrument Co.,Ltd.	24-NDM-105	25 Apr 24	24 Apr 25	-
20	Noise Dosimeter	Noise Dosimeter	Svantek	SV 104 117730	Innovative Instrument Co.,Ltd.	24-NDM-109	26 Apr 24	25 Apr 25	-
21	Noise Dosimeter	Noise Dosimeter	Svantek	SV 104IS 128472	Innovative Instrument Co.,Ltd.	24-NDM-082	21 Mar 24	20 Mar 25	-
22	Noise Dosimeter	Noise Dosimeter	Svantek	SV 104 143226	Innovative Instrument Co.,Ltd.	24-NDM-180	16 Jul 24	15 Jul 25	-
23	Noise Dosimeter	Noise Dosimeter	Svantek	SV 104 143229	Innovative Instrument Co.,Ltd.	24-NDM-170	15 Jul 24	14 Jul 25	-
24	Noise Dosimeter	Noise Dosimeter	Svantek	SV 104IS 131124	Innovative Instrument Co.,Ltd.	24-NDM-174	16 Jul 24	15 Jul 25	-
25	Thermal Environment Monitor	Heat Meter	3M	QuesTemp 34 TEH020027	Innovative Instrument Co.,Ltd.	24-TPM-150	21 Mar 24	20 Mar 25	-
26	Thermal Environment Monitor	Heat Meter	Quest Technologies, Inc	QuesTemp 34 OTE1010003	Innovative Instrument Co.,Ltd.	24-TPM-368	15 Aug 24	14 Aug 25	-
27	Thermal Environment Monitor	Heat Meter	Quest Technologies, Inc	QuesTemp 34 TEK120020	Innovative Instrument Co.,Ltd.	24-TPM-371	15 Aug 24	14 Aug 25	-
28	Thermal Environment Monitor	Heat Meter	3M	QuesTemp 32 TPQ020022	Innovative Instrument Co.,Ltd.	24-TPM-369	15 Aug 24	14 Aug 25	-
29	Thermal Environment Monitor	Heat Meter	3M	QuesTemp 32 TPQ020023	Innovative Instrument Co.,Ltd.	24-TPM-349	6 Aug 24	5 Aug 25	-
30	Thermal Environment Monitor	Heat Meter	3M	QuesTemp 32 TPS030007	Innovative Instrument Co.,Ltd.	24-TPM-048	23 Jan 24	22 Jan 25	-

List of Instruments Certification for Air & Noise Quality Analysis

No.	Instrument/Equipment	Parameter	Manufacturer	Model/Serial No.	Calibrator	Certification No.	Date of Calibration	Due date of Calibration	Remark
Workplace									
31	Thermal Environment Monitor	Heat Meter	3M	QuesTemp 32 TPS030008	Innovative Instrument Co.,Ltd.	24-TPM-044	23 Jan 24	22 Jan 25	-
32	Thermal Environment Monitor	Heat Meter	TSI QUEST	QuesTemp 32 TPT030007	Innovative Instrument Co.,Ltd.	24-TPM-049	23 Jan 24	22 Jan 25	-
33	Thermal Environment Monitor	Heat Meter	TSI QUEST	QuesTemp 32 TPT060013	Innovative Instrument Co.,Ltd.	24-TPM-043	23 Jan 24	22 Jan 25	-
34	Thermal Environment Monitor	Heat Meter	TSI QUEST	QuesTemp 32 TPW010011	Innovative Instrument Co.,Ltd.	24-TPM-149	21 Mar 24	20 Mar 25	-
35	Thermal Environment Monitor	Heat Meter	TSI QUEST	QuesTemp 34 TEX040009	Innovative Instrument Co.,Ltd.	24-TPM-311	8 Jul 24	7 Jul 25	-
36	Thermal Environment Monitor	Heat Meter	TSI QUEST	QuesTemp 34 TEX040011	Innovative Instrument Co.,Ltd.	24-TPM-322	16 Jul 24	15 Jul 25	-
37	Thermal Environment Monitor	Heat Meter	TSI QUEST	QuesTemp 34 TEX040014	Innovative Instrument Co.,Ltd.	24-TPM-310	8 Jul 24	7 Jul 25	-
38	Thermal Environment Monitor	Heat Meter	TSI QUEST	QuesTemp 34 TEX040016	Innovative Instrument Co.,Ltd.	24-TPM-315	9 Jul 24	8 Jul 25	-
39	Thermal Environment Monitor	Heat Meter	TSI QUEST	QuesTemp 34 TEX040017	Innovative Instrument Co.,Ltd.	24-TPM-319	16 Jul 24	15 Jul 25	-
Water									
1	pH Meter	pH	Horiba	LAQUA-PH210 HA110035	Technology Promotion Association (Thailand-Japan)	24CH320	14 Mar 24	13 Mar 25	-

J NAC

CERTIFICATE OF CALIBRATION

Equipment: U Tube Manometer
Manufacturer: Dwyer
Model: 1221-36-WM
Serial No.: -
ID No.: UAE.EFM.077/2566
Condition As-Received: Used Item
Received Date: 03 April 2024
Calibration Date: 11 April 2024
Reference: 2404-0118WSC
Ambient Temperature: (23 ± 2) °C
Relative Humidity: (50 ± 15) %
Atmospheric Pressure: 1012 mbar
Submitted by: United Analyst and Engineering Consultant Co., Ltd.
81 Soi Udomsuk 41, Sukhumvit Road, Bangkok, Phrakhanong, Bangkok 10260
Procedure used: The calibration was conducted by direct comparison method against Pressure Measuring Instruments Standard according to calibration procedure CP-P04, using " DKD-R 6-1 : Calibration of Pressure Gauges " as a guidelines.
Condition of this result of calibration
1.Reference standards instruments :
Instrument Model Serial No. Certificate No. Due Date
1) Pressure Calibrator PC106P 1189 MP-0176-23 12 Sep 2024
2.This result of calibration was made on requested at the point specified by customer.
3.Scale and conversion factor is 1 kPa = 4.0146293 inH₂O
4.This instrument was used clean air as pressure media.
5.This instrument was calibrated by applied pressure to high-port (+) side and low-port (-) side open to atmospheric pressure.
6.This instrument was installed in vertical orientation and top of the pressure port was used as the reference level.
7.The certificate is valid only to the item calibrated on date and place of calibration.
8.This Certification is traceable to the International System of Unit maintained through:-
-National Institute of Metrology (Thailand), NSC-ONSC Accredited No. Calibration 0144
Calibrated by : Suksan Khankaew
Issue Date : 17 April 2024
Approved Signatory :
[] Phalinee Prabpaipal
[] Sura Suwannasri
[✓] Attapol Panurach

เอกสารไม่ควบคุม

J NAC

CERTIFICATE OF CALIBRATION

Equipment: U Tube Manometer
Manufacturer: Dwyer
Model: 1221-36-WM
Serial No.: -
ID No.: UAE.EFM.077/2566
Condition As-Received: Used Item
Received Date: 03 April 2024
Calibration Date: 11 April 2024
Reference: 2404-0118WSC
Ambient Temperature: (23 ± 2) °C
Relative Humidity: (50 ± 15) %
Atmospheric Pressure: 1012 mbar
Submitted by: United Analyst and Engineering Consultant Co., Ltd.
81 Soi Udomsuk 41, Sukhumvit Road, Bangkok, Phrakhanong, Bangkok 10260
Procedure used: The calibration was conducted by direct comparison method against Pressure Measuring Instruments Standard according to calibration procedure CP-P04, using " DKD-R 6-1 : Calibration of Pressure Gauges " as a guidelines.
Condition of this result of calibration
1.Reference standards instruments :
Instrument Model Serial No. Certificate No. Due Date
1) Pressure Calibrator PC106P 1189 MP-0176-23 12 Sep 2024
2.This result of calibration was made on requested at the point specified by customer.
3.Scale and conversion factor is 1 kPa = 4.0146293 inH₂O
4.This instrument was used clean air as pressure media.
5.This instrument was calibrated by applied pressure to high-port (+) side and low-port (-) side open to atmospheric pressure.
6.This instrument was installed in vertical orientation and top of the pressure port was used as the reference level.
7.The certificate is valid only to the item calibrated on date and place of calibration.
8.This Certification is traceable to the International System of Unit maintained through:-
-National Institute of Metrology (Thailand), NSC-ONSC Accredited No. Calibration 0144
Calibrated by : Suksan Khankaew
Issue Date : 17 April 2024
Approved Signatory :
[] Phalinee Prabpaipal
[] Sura Suwannasri
[✓] Attapol Panurach

เอกสารไม่ควบคุม

TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN)
CORPORATE SERVICES 3: EQUIPMENT CALIBRATION AND TESTING SERVICES
534/4 PATTANAKARN ROAD SOI 18, SUANLUANG, SUANLUANG, BANGKOK 10250
TEL. 0-2717-3000-24 FAX. 0-2719-9484

Certificate of Calibration

Certificate No.: 24P1251
Page: 1 of 2

Equipment: U Tube Manometer
Manufacturer: Dwyer
Model: 1221-36-WM
Serial No.: -
ID No.: UAE.EFM.077/2566
Condition As-Received: Used Item
Received Date: 03 April 2024
Calibration Date: 11 April 2024
Reference: 2404-0118WSC
Ambient Temperature: (23 ± 2) °C
Relative Humidity: (50 ± 15) %
Atmospheric Pressure: 1012 mbar
Submitted by: United Analyst and Engineering Consultant Co., Ltd.
81 Soi Udomsuk 41, Sukhumvit Road, Bangkok, Phrakhanong, Bangkok 10260
Procedure used: The calibration was conducted by direct comparison method against Pressure Measuring Instruments Standard according to calibration procedure CP-P04, using " DKD-R 6-1 : Calibration of Pressure Gauges " as a guidelines.
Condition of this result of calibration
1.Reference standards instruments :
Instrument Model Serial No. Certificate No. Due Date
1) Pressure Calibrator PC106P 1189 MP-0176-23 12 Sep 2024
2.This result of calibration was made on requested at the point specified by customer.
3.Scale and conversion factor is 1 kPa = 4.0146293 inH₂O
4.This instrument was used clean air as pressure media.
5.This instrument was calibrated by applied pressure to high-port (+) side and low-port (-) side open to atmospheric pressure.
6.This instrument was installed in vertical orientation and top of the pressure port was used as the reference level.
7.The certificate is valid only to the item calibrated on date and place of calibration.
8.This Certification is traceable to the International System of Unit maintained through:-
-National Institute of Metrology (Thailand), NSC-ONSC Accredited No. Calibration 0144
Calibrated by : Suksan Khankaew
Issue Date : 17 April 2024
Approved Signatory :
[] Phalinee Prabpaipal
[] Sura Suwannasri
[✓] Attapol Panurach

เอกสารไม่ควบคุม

TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN)
CORPORATE SERVICES 3: EQUIPMENT CALIBRATION AND TESTING SERVICES
534/4 PATTANAKARN ROAD SOI 18, SUANLUANG, SUANLUANG, BANGKOK 10250
TEL. 0-2717-3000-24 FAX. 0-2719-9484

Certificate of Calibration

Certificate No.: 24P1251
Page: 2 of 2

Result of calibration:- Without adjustment
Function:- Pressure Measurement
Increasing Pressure

Range: 0 inH₂O to 36 inH₂O
Scale Interval: 0.1 inH₂O (The Second Estimate)

Applied Pressure	High-port side	Low-port side	ΔP	Error
0.00	0.00	0.00	0.00	0.00
2.00	1.00	-1.00	2.00	0.00
4.00	2.00	-2.00	4.00	0.00
6.00	3.00	-3.00	6.00	0.00
8.00	4.00	-4.00	8.00	0.00
10.00	5.00	-5.00	10.00	0.00
12.00	6.00	-6.00	12.00	0.00
14.00	7.05	-7.05	14.10	0.10
16.00	8.05	-8.05	16.10	0.10
18.00	9.05	-9.05	18.10	0.10
20.00	10.05	-10.05	20.10	0.10
22.00	11.05	-11.05	22.10	0.10
24.00	12.05	-12.05	24.10	0.10
26.00	13.05	-13.05	26.10	0.10
28.00	14.05	-14.05	28.10	0.10
30.00	15.05	-15.05	30.10	0.10
32.00	16.05	-16.10	32.15	0.15
34.00	17.05	-17.10	34.15	0.15
35.80	18.00	-18.00	36.00	0.20

The uncertainty of measurement was ± 0.11 inH₂O
* ΔP = High-port side - Low-port side
* UUC = Unit Under Calibration
The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k = 2, providing a level of confidence of approximately 95 %.

เอกสารไม่ควบคุม



Certificate of Calibration

Certificate No.: 24P1369
Page: 1 of 2

Equipment: Aneroid Barometer
Manufacturer: Barigo
Model: -
Serial No.: -
ID No.: UAE.ANV.013/2547
Condition As-Received: Used Item
Received Date: 05 April 2024
Calibration Date: 22 April 2024
Reference: 2404-0243WSC
Ambient Temperature: (23 ± 2) °C
Relative Humidity: (50 ± 15) %
Atmospheric Pressure: 1007 mbar
Submitted by: United Analyst and Engineering Consultant Co.,Ltd.
81 Soi Udomsuk 41, Sukhumvit Road, Bangchak,
Phrakhanong, Bangkok 10260
Procedure used: The calibration was conducted by direct comparison method against Pressure Measuring Instruments Standard according to calibration procedure CP-P10, using " DKD-R 6-1 : Calibration of Pressure Gauges " as a guidelines.

Condition of this result of calibration

1.Reference standards instruments :

Instrument	Model	Serial No.	Certificate No.	Due Date
1) Standard Barometer	DPI142	1422505046	MP-0094-23	03 May 2024

2.This instrument was installed in vertical orientation and center of the dial was used as the reference level.
3.This result of calibration was made on requested at the point specified by customer.
4.Scale and conversion factor is 1 kPa = 7.50062 mmHg
5.This result of calibration instrument was in absolute pressure.
6.This instrument was used clean air as pressure media.
7.The certificate is valid only to the item calibrated on date and place of calibration.
8.This Certification is traceable to the International System of Unit maintained through:-
-National Institute of Metrology Thailand (NIMT)

Calibrated by: Suksan Khankaew
Issue Date: 23 April 2024

Approved Signatory:
[] Phalinee Prabpaipal
[] Sura Suwannasri
[✓] Attapol Panurach

เอกสารไม่ควบคุม



Certificate of Calibration

Certificate No.: 24H753
Page: 1 of 2

Equipment: Dial Thermo-Hygrometer
Manufacturer: Barigo
Model: -
Serial No.: -
ID No.: UAE.ANV.127/2550
Condition As-Received: Used Item
Received Date: 05 April 2024
Calibration Date: 10 April 2024
to 18 April 2024
Reference: 2404-0247WSC
Ambient Temperature: (25 ± 3) °C
Relative Humidity: (50 ± 20) %
Submitted by: United Analyst and Engineering Consultant Co.,Ltd.
81 Soi Udomsuk 41, Sukhumvit Road,
Bangchak, Phrakhanong, Bangkok 10260
Procedure used: Calibration were conducted using in-house calibration procedure CP-H02 according to comparison with standard chilled mirror sensor for humidity measurement function and comparison with standard temperature probe for temperature measurement function into humidity / temperature chamber.

Condition of this result of calibration

1.Reference standards instruments :

Instrument	Model	Serial No.	Certificate No.	Due Date
1) Chilled Mirror Hygrometer	Dew Master	44730	21656	02 Aug 2024
2) Handheld Thermometer With Sensor	1521	A5A339	2311238	16 Oct 2024

2.The certificate is valid only to the item calibrated on date and place of calibration.
3.This Certification is traceable to the International System of Unit maintained through:-
-Thunder Scientific Corporation, NVLAB Accreditation No. Calibration 200582-0
-Technology Promotion Association (Thailand-Japan), NSC-ONSC Accredited No. Calibration 0008

Calibrated by: Chakrit Waewwanjua
Issue Date: 18 April 2024

Approved Signatory:
[] Chakrit Waewwanjua
[✓] Vipom Tantiyawutti
[] Unnopphol Harachai

เอกสารไม่ควบคุม



Cert.No.: 24P1369
Page: 2 of 2

Result of calibration:- Without adjustment
Function:- Absolute Pressure Measurement
Range: 720 mmHg to 780 mmHg
Scale Interval: 1 mmHg (The Fifth Estimate)
Increasing Pressure

Applied Pressure (mmHg)	718.40	729.71	740.61	751.07	761.97	773.05	786.91
UUC* Indication (mmHg)	720.0	730.0	740.0	750.0	760.0	770.0	780.0
Error (mmHg)	1.60	0.29	-0.61	-1.07	-1.97	-3.05	-6.91

Decreasing Pressure

Applied Pressure (mmHg)	786.91	772.99	761.71	750.69	740.13	729.35	718.44
UUC* Indication (mmHg)	780.0	770.0	760.0	750.0	740.0	730.0	720.0
Error (mmHg)	-6.91	-2.99	-1.71	-0.69	-0.13	0.65	1.56

The uncertainty of measurement was ± 0.24 mmHg

* UUC = Unit Under Calibration

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence of approximately 95 %.

-00-

เอกสารไม่ควบคุม



Cert. No.: 24H753
Page.: 2 of 2

Result of Calibration:- Without Adjustment
Function: Humidity Measurement.

Reference Temperature	Standard Humidity	UUC* Reading	Error	Uncertainty of Measurement
(°C)	(%R.H.)	(%R.H.)	(%R.H.)	(±%R.H.)
25.0	40.1	43	2.9	1.6
25.0	60.0	60	0.0	1.7
25.0	80.0	78	-2.0	1.8

Result of Calibration:- Without Adjustment
Function: Temperature Measurement.

Standard Temperature	UUC* Reading	Error	Uncertainty of Measurement
(°C)	(°C)	(°C)	(±°C)
20.014	20.0	-0.014	0.72
25.033	25.0	-0.033	0.72
30.010	30.0	-0.010	0.72
35.027	34.5	-0.527	0.72
40.013	39.5	-0.513	0.72

UUC* : Unit Under Calibration

The reported uncertainty of measurement was base on standard uncertainty multiplied by coverage factor $k = 2.00$, providing confidence level approximately 95%.

-00-

เอกสารไม่ควบคุม

Continuum of Care

Question	Answer	Reference No.
Q101	Quesada & Lutz (1997) demonstrated that the relationship between the number of species and the number of genera is not linear, but rather follows a power law. This suggests that the number of species is proportional to the number of genera raised to a power greater than one.	Quesada & Lutz (1997)
Q102	Quesada & Lutz (1997) also found that the number of species is proportional to the number of genera raised to a power greater than one, which is consistent with the power law relationship.	Quesada & Lutz (1997)
Q103	Quesada & Lutz (1997) found that the number of species is proportional to the number of genera raised to a power greater than one, which is consistent with the power law relationship.	Quesada & Lutz (1997)

¹ *Journal of Management Education*, 20(6), 709-728.

Parameter	Value	Unit
Temperature	25	°C
Pressure	101.3	kPa
Humidity	50	%
Light intensity	100	μmol photons m ⁻² s ⁻¹
CO ₂ concentration	400	ppm

17. <http://www.fishbase.org>

Coordenadas:	22°51'43"N
Altitud:	100 m (3281 ft)
Superficie Protegida:	14.421 km ² (5.568 mi ²)
Clase de Sitio:	Reserva Biológica
Establecimiento:	1984-1985
Coordenadas UTM:	18QUC01
Administración:	Ministerio de Medio Ambiente y Recursos Naturales, Instituto Costarricense de Ecología y Desarrollo Sostenible

Business Segment	Italy	Germany	France	Rest of Europe
Construction	100%	100%	100%	100%
Other	100%	100%	100%	100%

Funding: The authors received no financial support for the research, authorship, and/or publication of this article.

© 2000 Blackwell Science Ltd, *Journal of Internal Medicine* 247: 391–397

(continued on 22)
 Mr. [redacted]
 [redacted]
 [redacted]

เอกสารไม่ควบคุม

Downloaded At: 11:53 11 September 2009

Copyright © 2006 John Wiley & Sons, Ltd.

2010-2011	Revenue (Millions of \$)		Expenses (Millions of \$)		Change in Net Assets (Millions of \$)	Assets (Millions of \$)	Liabilities (Millions of \$)
	Operating	Non-Operating	Operating	Non-Operating			
Operating	100.0	0.0	80.0	0.0	20.0	100.0	80.0
Non-Operating	0.0	10.0	0.0	10.0	0.0	0.0	0.0
Total	100.0	10.0	80.0	10.0	20.0	100.0	80.0

Progressive Publishers Ltd

Category	Sub-category		Item		Value	Unit	Notes
	Item 1	Item 2	Item 3	Item 4			
Food	Grain	Wheat	1000	kg			
Food	Grain	Rice	500	kg			
Food	Grain	Maize	200	kg			
Food	Grain	Sorghum	100	kg			
Food	Grain	Bajra	50	kg			
Food	Grain	Jowar	20	kg			
Food	Grain	Millet	10	kg			
Food	Grain	Barley	5	kg			
Food	Grain	Oats	2	kg			
Food	Grain	Rye	1	kg			
Food	Grain	Spelt	0.5	kg			
Food	Grain	Tritic	0.2	kg			
Food	Grain	Emmer	0.1	kg			
Food	Grain	Einkorn	0.05	kg			
Food	Grain	Wild rice	0.01	kg			
Food	Grain	Amaranth	0.005	kg			
Food	Grain	Buckwheat	0.001	kg			
Food	Grain	Quinoa	0.0005	kg			
Food	Grain	Millet	0.0001	kg			
Food	Grain	Bajra	0.00005	kg			
Food	Grain	Jowar	0.00001	kg			
Food	Grain	Millet	0.000005	kg			
Food	Grain	Bajra	0.000001	kg			
Food	Grain	Jowar	0.0000005	kg			
Food	Grain	Millet	0.0000001	kg			
Food	Grain	Bajra	0.00000005	kg			
Food	Grain	Jowar	0.00000001	kg			
Food	Grain	Millet	0.000000005	kg			
Food	Grain	Bajra	0.000000001	kg			
Food	Grain	Jowar	0.0000000005	kg			
Food	Grain	Millet	0.0000000001	kg			
Food	Grain	Bajra	0.00000000005	kg			
Food	Grain	Jowar	0.00000000001	kg			
Food	Grain	Millet	0.000000000005	kg			
Food	Grain	Bajra	0.000000000001	kg			
Food	Grain	Jowar	0.0000000000005	kg			
Food	Grain	Millet	0.0000000000001	kg			
Food	Grain	Bajra	0.00000000000005	kg			
Food	Grain	Jowar	0.00000000000001	kg			
Food	Grain	Millet	0.000000000000005	kg			
Food	Grain	Bajra	0.000000000000001	kg			
Food	Grain	Jowar	0.0000000000000005	kg			
Food	Grain	Millet	0.0000000000000001	kg			
Food	Grain	Bajra	0.00000000000000005	kg			
Food	Grain	Jowar	0.00000000000000001	kg			
Food	Grain	Millet	0.000000000000000005	kg			
Food	Grain	Bajra	0.000000000000000001	kg			
Food	Grain	Jowar	0.0000000000000000005	kg			
Food	Grain	Millet	0.0000000000000000001	kg			
Food	Grain	Bajra	0.00000000000000000005	kg			
Food	Grain	Jowar	0.00000000000000000001	kg			
Food	Grain	Millet	0.000000000000000000005	kg			
Food	Grain	Bajra	0.000000000000000000001	kg			
Food	Grain	Jowar	0.0000000000000000000005	kg			
Food	Grain	Millet	0.0000000000000000000001	kg			
Food	Grain	Bajra	0.00000000000000000000005	kg			
Food	Grain	Jowar	0.00000000000000000000001	kg			
Food	Grain	Millet	0.000000000000000000000005	kg			
Food	Grain	Bajra	0.000000000000000000000001	kg			
Food	Grain	Jowar	0.0000000000000000000000005	kg			
Food	Grain	Millet	0.0000000000000000000000001	kg			
Food	Grain	Bajra	0.00000000000000000000000005	kg			
Food	Grain	Jowar	0.00000000000000000000000001	kg			
Food	Grain	Millet	0.000000000000000000000000005	kg			
Food	Grain	Bajra	0.000000000000000000000000001	kg			
Food	Grain	Jowar	0.0000000000000000000000000005	kg			
Food	Grain	Millet	0.0000000000000000000000000001	kg			
Food	Grain	Bajra	0.00000000000000000000000000005	kg			
Food	Grain	Jowar	0.00000000000000000000000000001	kg			
Food	Grain	Millet	0.000000000000000000000000000005	kg			
Food	Grain	Bajra	0.000000000000000000000000000001	kg			
Food	Grain	Jowar	0.0000000000000000000000000000005	kg			
Food	Grain	Millet	0.0000000000000000000000000000001	kg			
Food	Grain	Bajra	0.00000000000000000000000000000005	kg			
Food	Grain	Jowar	0.00000000000000000000000000000001	kg			
Food	Grain	Millet	0.000000000000000000000000000000005	kg			
Food	Grain	Bajra	0.000000000000000000000000000000001	kg			
Food	Grain	Jowar	0.0000000000000000000000000000000005	kg			
Food	Grain	Millet	0.0000000000000000000000000000000001	kg			
Food	Grain	Bajra	0.00000000000000000000000000000000005	kg			
Food	Grain	Jowar	0.00000000000000000000000000000000001	kg			
Food	Grain	Millet	0.000000000000000000000000000000000005	kg			
Food	Grain	Bajra	0.000000000000000000000000000000000001	kg			
Food	Grain	Jowar	0.0000000000000000000000000000000000005	kg			
Food	Grain	Millet	0.0000000000000000000000000000000000001	kg			
Food	Grain	Bajra	0.00000000000000000000000000000000000005	kg			
Food	Grain	Jowar	0.00000000000000000000000000000000000001	kg			
Food	Grain	Millet	0.000000000000000000000000000000000000005	kg			
Food	Grain	Bajra	0.000000000000000000000000000000000000001	kg			
Food	Grain	Jowar	0.0000000000000000000000000000000000000005	kg			
Food	Grain	Millet	0.0000000000000000000000000000000000000001	kg			
Food	Grain	Bajra	0.005	kg			
Food	Grain	Jowar	0.001	kg			
Food	Grain	Millet	0.0005	kg			
Food	Grain	Bajra	0.0001	kg			
Food	Grain	Jowar	0.005	kg			
Food	Grain	Millet	0.001	kg			
Food	Grain	Bajra	0.0005	kg			
Food	Grain	Jowar	0.0001	kg			
Food	Grain	Millet	0.005	kg			
Food	Grain	Bajra	0.001	kg			
Food	Grain	Jowar	0.0005	kg			
Food	Grain	Millet	0.0001	kg			
Food	Grain	Bajra	0.005	kg			
Food	Grain	Jowar	0.001	kg			
Food	Grain	Millet	0.0005	kg			
Food	Grain	Bajra	0.0001	kg			
Food	Grain	Jowar	0.005	kg			
Food	Grain	Millet	0.001	kg			
Food	Grain	Bajra	0.0005	kg			
Food	Grain	Jowar	0.0001	kg			
Food	Grain	Millet	0.005	kg			
Food	Grain	Bajra	0.001	kg			
Food	Grain	Jowar	0.0005	kg			
Food	Grain	Millet	0.0001	kg			
Food	Grain	Bajra	0.005	kg			
Food	Grain	Jowar	0.001	kg			
Food	Grain	Millet	0.0005	kg			
Food	Grain	Bajra	0.0001	kg			
Food	Grain	Jowar	0.005	kg			
Food	Grain	Millet	0.001	kg			
Food	Grain	Bajra	0.0005	kg			
Food	Grain	Jowar	0.0001	kg			
Food	Grain	Millet	0.005	kg			
Food	Grain	Bajra	0.001	kg			
Food	Grain	Jowar	0.0005	kg			
Food	Grain	Millet	0.0001	kg			
Food	Grain	Bajra	0.005	kg			
Food	Grain	Jowar	0.0001	kg			
Food	Grain	Millet	0.005	kg			
Food	Grain	Bajra	0.001	kg			
Food	Grain	Jowar	0.0005	kg			
Food	Grain	Millet	0.001	kg			
Food	Grain	Bajra	0.0005	kg			
Food	Grain	Jowar	0.001	kg			
Food	Grain	Millet	0.0005	kg			
Food	Grain	Bajra	0.001	kg			
Food	Grain	Jowar	0.0005	kg			
Food	Grain	Millet	0.001	kg			
Food	Grain	Bajra	0.0005	kg			
Food	Grain	Jowar	0.001	kg			
Food	Grain	Millet	0.0005	kg			
Food	Grain	Bajra	0.001	kg			
Food	Grain	Jowar	0.0005	kg			
Food	Grain	Millet	0.001	kg			
Food	Grain	Bajra	0.0005	kg			
Food	Grain	Jowar	0.001	kg			
Food	Grain	Millet	0.0005	kg			
Food	Grain	Bajra	0.001	kg			
Food	Grain	Jowar	0.000				

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 103–110

2. pH (measured at 25°C)	3. Dissolved inorganic carbon (DIC)		4. Bicarbonate	5. Carbonate	6. Total carbonate	7. Alkalinity
	measured (pH)	calculated (pH)				
7.20 ± 0.02	0.00	0.00	0.00	0.00	0.00	0.00
7.20 ± 0.02	0.00	0.00	0.00	0.00	0.00	0.00

—

Resource	Amount per person
Land (ha)	1.5
Water (m ³)	1.5
Food (kg)	1.5

[illegible]

เอกสารไม่ควบคุม

Journal of Management Inquiry 20(4)

Source: *Author's calculations*.

[illegible]

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.



© 2004 Blackwell Publishing Ltd

เอกสารไม่ควบคุม

[illegible]

Variable	Mean	Standard Deviation	Minimum	Maximum
Age	35.5	10.5	20	55
Gender	0.5	0.5	0	1
Marital Status	0.5	0.5	0	1
Education	12.5	1.5	10	15
Income	3000	1000	1000	5000
Health	0.5	0.5	0	1
Smoking	0.5	0.5	0	1
Drinking	0.5	0.5	0	1
Exercise	0.5	0.5	0	1
Stress	0.5	0.5	0	1
Depression	0.5	0.5	0	1
Loneliness	0.5	0.5	0	1
Life Satisfaction	0.5	0.5	0	1
Quality of Life	0.5	0.5	0	1
Overall Health	0.5	0.5	0	1
Physical Health	0.5	0.5	0	1
Mental Health	0.5	0.5	0	1
Social Health	0.5	0.5	0	1
Emotional Health	0.5	0.5	0	1
Behavioral Health	0.5	0.5	0	1
Environmental Health	0.5	0.5	0	1
Occupational Health	0.5	0.5	0	1
Financial Health	0.5	0.5	0	1
Family Health	0.5	0.5	0	1
Community Health	0.5	0.5	0	1
National Health	0.5	0.5	0	1
Global Health	0.5	0.5	0	1
World Health	0.5	0.5	0	1
Human Health	0.5	0.5	0	1
Planetary Health	0.5	0.5	0	1
Universal Health	0.5	0.5	0	1
Cosmic Health	0.5	0.5	0	1
Divine Health	0.5	0.5	0	1
Spiritual Health	0.5	0.5	0	1
Religious Health	0.5	0.5	0	1
Cultural Health	0.5	0.5	0	1
Social Health	0.5	0.5	0	1
Political Health	0.5	0.5	0	1
Economic Health	0.5	0.5	0	1
Environmental Health	0.5	0.5	0	1
Occupational Health	0.5	0.5	0	1
Financial Health	0.5	0.5	0	1
Family Health	0.5	0.5	0	1
Community Health	0.5	0.5	0	1
National Health	0.5	0.5	0	1
Global Health	0.5	0.5	0	1
World Health	0.5	0.5	0	1
Human Health	0.5	0.5	0	1
Planetary Health	0.5	0.5	0	1
Universal Health	0.5	0.5	0	1
Cosmic Health	0.5	0.5	0	1
Divine Health	0.5	0.5	0	1
Spiritual Health	0.5	0.5	0	1
Religious Health	0.5	0.5	0	1
Cultural Health	0.5	0.5	0	1
Social Health	0.5	0.5	0	1
Political Health	0.5	0.5	0	1
Economic Health	0.5	0.5	0	1
Environmental Health	0.5	0.5	0	1
Occupational Health	0.5	0.5	0	1
Financial Health	0.5	0.5	0	1
Family Health	0.5	0.5	0	1
Community Health	0.5	0.5	0	1
National Health	0.5	0.5	0	1
Global Health	0.5	0.5	0	1
World Health	0.5	0.5	0	1
Human Health	0.5	0.5	0	1
Planetary Health	0.5	0.5	0	1
Universal Health	0.5	0.5	0	1
Cosmic Health	0.5	0.5	0	1
Divine Health	0.5	0.5	0	1
Spiritual Health	0.5	0.5	0	1
Religious Health	0.5	0.5	0	1
Cultural Health	0.5	0.5	0	1
Social Health	0.5	0.5	0	1
Political Health	0.5	0.5	0	1
Economic Health	0.5	0.5	0	1
Environmental Health	0.5	0.5	0	1
Occupational Health	0.5	0.5	0	1
Financial Health	0.5	0.5	0	1
Family Health	0.5	0.5	0	1
Community Health	0.5	0.5	0	1
National Health	0.5	0.5	0	1
Global Health	0.5	0.5	0	1
World Health	0.5	0.5	0	1
Human Health				

1000

Agegroup	20-29
Gender	Female
Research group	Control group
Study site	France
Study year	2010-2011
Study design	cross-sectional

Category	2014	2015	2016	2017	2018
1. Total	100.0	100.0	100.0	100.0	100.0
2. Government	10.0	10.0	10.0	10.0	10.0
3. Private	90.0	90.0	90.0	90.0	90.0
4. Non-profit	10.0	10.0	10.0	10.0	10.0
5. For-profit	80.0	80.0	80.0	80.0	80.0

1

Figure 10. (a) \log_{10} of the maximum value of the normalized shear stress, τ_{\max}/σ_0 , and (b) \log_{10} of the maximum value of the normalized shear stress, τ_{\max}/σ_0 , versus \log_{10} of the maximum value of the normalized shear stress, τ_{\max}/σ_0 .

เอกสารไม่ควบคุม

[illegible]

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523
--	---	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Year	Number of cases	Percentage	Age group (%)
2000	100	100	100
2001	100	100	100
2002	100	100	100
2003	100	100	100
2004	100	100	100
2005	100	100	100
2006	100	100	100
2007	100	100	100
2008	100	100	100
2009	100	100	100
2010	100	100	100
2011	100	100	100
2012	100	100	100
2013	100	100	100
2014	100	100	100
2015	100	100	100
2016	100	100	100
2017	100	100	100
2018	100	100	100
2019	100	100	100
2020	100	100	100

[illegible]

เอกสารไม่ควบคุม

[illegible]

TST Index	TST	Mean		Standard Deviation	Variance	Skewness	Kurtosis
		Mean	Std. Dev.				
1	1.00	1.00	.00	0.00	0.00	0.00	0.00
2	2.00	2.00	.00	0.00	0.00	0.00	0.00
3	3.00	3.00	.00	0.00	0.00	0.00	0.00
4	4.00	4.00	.00	0.00	0.00	0.00	0.00
5	5.00	5.00	.00	0.00	0.00	0.00	0.00
6	6.00	6.00	.00	0.00	0.00	0.00	0.00
7	7.00	7.00	.00	0.00	0.00	0.00	0.00
8	8.00	8.00	.00	0.00	0.00	0.00	0.00
9	9.00	9.00	.00	0.00	0.00	0.00	0.00
10	10.00	10.00	.00	0.00	0.00	0.00	0.00

2017-2018	2018-2019	2019-2020		2020-2021	2021-2022	2022-2023
		2019-2020	2020-2021			
2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024

เอกสารไม่ควบคุม

Account Name	Balance	Debit	Credit	Balance
Bank of America	1,000.00			1,000.00
Chase Bank	500.00			500.00
Wells Fargo	250.00			250.00
Capital One	150.00			150.00
Bank of the West	100.00			100.00
Bank of America	50.00			50.00
Chase Bank	25.00			25.00
Wells Fargo	12.50			12.50
Capital One	6.25			6.25
Bank of the West	3.12			3.12
Bank of America	1.56			1.56
Chase Bank	0.78			0.78
Wells Fargo	0.39			0.39
Capital One	0.19			0.19
Bank of the West	0.09			0.09
Bank of America	0.05			0.05
Chase Bank	0.02			0.02
Wells Fargo	0.01			0.01
Capital One	0.00			0.00
Bank of the West	0.00			0.00
Bank of America	0.00			0.00
Chase Bank	0.00			0.00
Wells Fargo	0.00			0.00
Capital One	0.00			0.00
Bank of the West	0.00			0.00
Bank of America	0.00			0.00
Chase Bank	0.00			0.00
Wells Fargo	0.00			0.00
Capital One	0.00			0.00
Bank of the West	0.00			0.00
Bank of America	0.00			0.00
Chase Bank	0.00			0.00
Wells Fargo	0.00			0.00
Capital One	0.00			0.00
Bank of the West	0.00			0.00
Bank of America	0.00			0.00
Chase Bank	0.00			0.00
Wells Fargo	0.00			0.00
Capital One	0.00			0.00
Bank of the West	0.00			0.00
Bank of America	0.00			0.00
Chase Bank	0.00			0.00
Wells Fargo	0.00			0.00
Capital One	0.00			0.00
Bank of the West	0.00			0.00
Bank of America	0.00			0.00
Chase Bank	0.00			0.00
Wells Fargo	0.00			0.00
Capital One	0.00			0.00
Bank of the West	0.00			0.00
Bank of America	0.00			0.00
Chase Bank	0.00			0.00
Wells Fargo	0.00			0.00
Capital One	0.00			0.00
Bank of the West	0.00			0.00
Bank of America	0.00			0.00
Chase Bank	0.00			0.00
Wells Fargo	0.00			0.00
Capital One	0.00			0.00
Bank of the West	0.00			0.00
Bank of America	0.00			0.00
Chase Bank	0.00			0.00
Wells Fargo	0.00			0.00
Capital One	0.00			0.00
Bank of the West	0.00			0.00
Bank of America	0.00			0.00
Chase Bank	0.00			0.00
Wells Fargo	0.00			0.00
Capital One	0.00			0.00
Bank of the West	0.00			0.00
Bank of America	0.00			0.00
Chase Bank	0.00			0.00
Wells Fargo	0.00			0.00
Capital One	0.00			0.00
Bank of the West	0.00			0.00
Bank of America	0.00			0.00
Chase Bank	0.00			0.00
Wells Fargo	0.00			0.00
Capital One	0.00			0.00
Bank of the West	0.00			0.00
Bank of America	0.00			0.00
Chase Bank	0.00			0.00
Wells Fargo	0.00			0.00
Capital One	0.00			0.00
Bank of the West	0.00			0.00
Bank of America	0.00			0.00
Chase Bank	0.00			0.00

Year ending	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452
-------------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

เอกสารไม่ควบคุม

Year	Age	Gender		Total	Male	Female
		Male	Female			
1990	15-19	100	100	200	100	100
2000	15-19	100	100	200	100	100
2010	15-19	100	100	200	100	100

Date	Time	Location	Weather		Wind	Temperature	Humidity	Pressure
			Temp	Wind				
10/10/2023	08:00	100m	25°C	10km/h	100%	25.0	101.0	
10/10/2023	09:00	100m	26°C	12km/h	100%	26.0	101.0	
10/10/2023	10:00	100m	27°C	15km/h	100%	27.0	101.0	
10/10/2023	11:00	100m	28°C	18km/h	100%	28.0	101.0	
10/10/2023	12:00	100m	29°C	20km/h	100%	29.0	101.0	
10/10/2023	13:00	100m	30°C	22km/h	100%	30.0	101.0	
10/10/2023	14:00	100m	31°C	25km/h	100%	31.0	101.0	
10/10/2023	15:00	100m	32°C	28km/h	100%	32.0	101.0	
10/10/2023	16:00	100m	33°C	30km/h	100%	33.0	101.0	
10/10/2023	17:00	100m	34°C	32km/h	100%	34.0	101.0	
10/10/2023	18:00	100m	35°C	35km/h	100%	35.0	101.0	
10/10/2023	19:00	100m	36°C	38km/h	100%	36.0	101.0	
10/10/2023	20:00	100m	37°C	40km/h	100%	37.0	101.0	
10/10/2023	21:00	100m	38°C	42km/h	100%	38.0	101.0	
10/10/2023	22:00	100m	39°C	45km/h	100%	39.0	101.0	
10/10/2023	23:00	100m	40°C	48km/h	100%	40.0	101.0	

[illegible]

เอกสารไม่ควบคุม

Version: 1.0 (2018)
 Date: 2018-01-01

1. General Information

Item	Value	Unit	Value	Unit
1.1.1.1.1.1.1	100	100%	100	100%
1.1.1.1.1.1.2	100	100%	100	100%
1.1.1.1.1.1.3	100	100%	100	100%
1.1.1.1.1.1.4	100	100%	100	100%

2. Performance Indicators

Item	Value	Unit	Value	Unit
2.1.1.1.1.1.1	100	100%	100	100%
2.1.1.1.1.1.2	100	100%	100	100%
2.1.1.1.1.1.3	100	100%	100	100%
2.1.1.1.1.1.4	100	100%	100	100%

Item	Value
1.1.1.1.1.1.1	100
1.1.1.1.1.1.2	100
1.1.1.1.1.1.3	100
1.1.1.1.1.1.4	100
1.1.1.1.1.1.5	100
1.1.1.1.1.1.6	100
1.1.1.1.1.1.7	100
1.1.1.1.1.1.8	100
1.1.1.1.1.1.9	100
1.1.1.1.1.1.10	100
1.1.1.1.1.1.11	100
1.1.1.1.1.1.12	100
1.1.1.1.1.1.13	100
1.1.1.1.1.1.14	100
1.1.1.1.1.1.15	100
1.1.1.1.1.1.16	100
1.1.1.1.1.1.17	100
1.1.1.1.1.1.18	100
1.1.1.1.1.1.19	100
1.1.1.1.1.1.20	100

เอกสารไม่ควบคุม

Version: 1.0 (2018)
 Date: 2018-01-01

1. General Information

Item	Value	Unit	Value	Unit
1.1.1.1.1.1.1	100	100%	100	100%
1.1.1.1.1.1.2	100	100%	100	100%
1.1.1.1.1.1.3	100	100%	100	100%
1.1.1.1.1.1.4	100	100%	100	100%



เอกสารไม่ควบคุม

1. General Information

Item	Value	Unit	Value	Unit
1.1.1.1.1.1.1	100	100%	100	100%
1.1.1.1.1.1.2	100	100%	100	100%
1.1.1.1.1.1.3	100	100%	100	100%
1.1.1.1.1.1.4	100	100%	100	100%

2. Performance Indicators

Item	Value	Unit	Value	Unit
2.1.1.1.1.1.1	100	100%	100	100%
2.1.1.1.1.1.2	100	100%	100	100%
2.1.1.1.1.1.3	100	100%	100	100%
2.1.1.1.1.1.4	100	100%	100	100%

3. Patient Satisfaction

Item	Value	Unit	Value	Unit
3.1.1.1.1.1.1	100	100%	100	100%
3.1.1.1.1.1.2	100	100%	100	100%
3.1.1.1.1.1.3	100	100%	100	100%
3.1.1.1.1.1.4	100	100%	100	100%

Item	Value	Unit	Value	Unit
1.1.1.1.1.1.1	100	100%	100	100%
1.1.1.1.1.1.2	100	100%	100	100%
1.1.1.1.1.1.3	100	100%	100	100%
1.1.1.1.1.1.4	100	100%	100	100%

เอกสารไม่ควบคุม

Version: 1.0 (2018)
 Date: 2018-01-01

1. General Information

Item	Value	Unit	Value	Unit
1.1.1.1.1.1.1	100	100%	100	100%
1.1.1.1.1.1.2	100	100%	100	100%
1.1.1.1.1.1.3	100	100%	100	100%
1.1.1.1.1.1.4	100	100%	100	100%

2. Performance Indicators

Item	Value	Unit	Value	Unit
2.1.1.1.1.1.1	100	100%	100	100%
2.1.1.1.1.1.2	100	100%	100	100%
2.1.1.1.1.1.3	100	100%	100	100%
2.1.1.1.1.1.4	100	100%	100	100%

3. Patient Satisfaction

Item	Value	Unit	Value	Unit
3.1.1.1.1.1.1	100	100%	100	100%
3.1.1.1.1.1.2	100	100%	100	100%
3.1.1.1.1.1.3	100	100%	100	100%
3.1.1.1.1.1.4	100	100%	100	100%

4. Patient Satisfaction

Item	Value	Unit	Value	Unit
4.1.1.1.1.1.1	100	100%	100	100%
4.1.1.1.1.1.2	100	100%	100	100%
4.1.1.1.1.1.3	100	100%	100	100%
4.1.1.1.1.1.4	100	100%	100	100%

เอกสารไม่ควบคุม

© 2006 The Authors
Journal compilation © 2006 Blackwell Publishing Ltd

Table 1. Summary of the data used in the study				Table 2. Summary of the data used in the study		
Year	Month	Day	Time	Year	Month	Day
2010	1	1	12:00	2010	1	1
2010	1	2	12:00	2010	1	2
2010	1	3	12:00	2010	1	3
2010	1	4	12:00	2010	1	4
2010	1	5	12:00	2010	1	5
2010	1	6	12:00	2010	1	6
2010	1	7	12:00	2010	1	7
2010	1	8	12:00	2010	1	8
2010	1	9	12:00	2010	1	9
2010	1	10	12:00	2010	1	10
2010	1	11	12:00	2010	1	11
2010	1	12	12:00	2010	1	12
2010	2	1	12:00	2010	2	1
2010	2	2	12:00	2010	2	2
2010	2	3	12:00	2010	2	3
2010	2	4	12:00	2010	2	4
2010	2	5	12:00	2010	2	5
2010	2	6	12:00	2010	2	6
2010	2	7	12:00	2010	2	7
2010	2	8	12:00	2010	2	8
2010	2	9	12:00	2010	2	9
2010	2	10	12:00	2010	2	10
2010	2	11	12:00	2010	2	11
2010	2	12	12:00	2010	2	12
2010	3	1	12:00	2010	3	1
2010	3	2	12:00	2010	3	2
2010	3	3	12:00	2010	3	3
2010	3	4	12:00	2010	3	4
2010	3	5	12:00	2010	3	5
2010	3	6	12:00	2010	3	6
2010	3	7	12:00	2010	3	7
2010	3	8	12:00	2010	3	8
2010	3	9	12:00	2010	3	9
2010	3	10	12:00	2010	3	10
2010	3	11	12:00	2010	3	11
2010	3	12	12:00	2010	3	12
2010	4	1	12:00	2010	4	1
2010	4	2	12:00	2010	4	2
2010	4	3	12:00	2010	4	3
2010	4	4	12:00	2010	4	4
2010	4	5	12:00	2010	4	5
2010	4	6	12:00	2010	4	6
2010	4	7	12:00	2010	4	7
2010	4	8	12:00	2010	4	8
2010	4	9	12:00	2010	4	9
2010	4	10	12:00	2010	4	10
2010	4	11	12:00	2010	4	11
2010	4	12	12:00	2010	4	12
2010	5	1	12:00	2010	5	1
2010	5	2	12:00	2010	5	2
2010	5	3	12:00	2010	5	3
2010	5	4	12:00	2010	5	4
2010	5	5	12:00	2010	5	5
2010	5	6	12:00	2010	5	6
2010	5	7	12:00	2010	5	7
2010	5	8	12:00	2010	5	8
2010	5	9	12:00	2010	5	9
2010	5	10	12:00	2010	5	10
2010	5	11	12:00	2010	5	11
2010	5	12	12:00	2010	5	12
2010	6	1	12:00	2010	6	1
2010	6	2	12:00	2010	6	2
2010	6	3	12:00	2010	6	3
2010	6	4	12:00	2010	6	4
2010	6	5	12:00	2010	6	5
2010	6	6	12:00	2010	6	6
2010	6	7	12:00	2010	6	7
2010	6	8	12:00	2010	6	8
2010	6	9	12:00	2010	6	9
2010	6	10	12:00	2010	6	10
2010	6	11	12:00	2010	6	11
2010	6	12	12:00	2010	6	12
2010	7	1	12:00	2010	7	1
2010	7	2	12:00	2010	7	2
2010	7	3	12:00	2010	7	3
2010	7	4	12:00	2010	7	4
2010	7	5	12:00	2010	7	5
2010	7	6	12:00	2010	7	6
2010	7	7	12:00	2010	7	7
2010	7	8	12:00	2010	7	8
2010	7	9	12:00	2010	7	9
2010	7	10	12:00	2010	7	10
2010	7	11	12:00	2010	7	11
2010	7	12	12:00	2010	7	12
2010	8	1	12:00	2010	8	1
2010	8	2	12:00	2010	8	2
2010	8	3	12:00	2010	8	3
2010	8	4	12:00	2010	8	4
2010	8	5	12:00	2010	8	5
2010	8	6	12:00	2010	8	6
2010	8	7	12:00	2010	8	7
2010	8	8	12:00	2010	8	8
2010	8	9	12:00	2010	8	9
2010	8	10	12:00	2010	8	10
2010	8	11	12:00	2010	8	11
2010	8	12	12:00	2010	8	12
2010	9	1	12:00	2010	9	1
2010	9	2	12:00	2010	9	2
2010	9	3	12:00	2010	9	3
2010	9	4	12:00	2010	9	4
2010	9	5	12:00	2010	9	5
2010	9	6	12:00	2010	9	6
2010	9	7	12:00	2010	9	7
2010	9	8	12:00	2010	9	8
2010	9	9	12:00	2010	9	9
2010	9	10	12:00	2010	9	10
2010	9	11	12:00	2010	9	11
2010	9	12	12:00	2010	9	12
2010	10	1	12:00	2010	10	1
2010	10	2	12:00	2010	10	2
2010	10	3	12:00	2010	10	3
2010	10	4	12:00	2010	10	4
2010	10	5	12:00	2010	10	5
2010	10	6	12:00	2010	10	6
2010	10	7	12:00	2010	10	7
2010	10	8	12:00	2010	10	8
2010	10	9	12:00	2010	10	9
2010	10	10	12:00	2010	10	10
2010	10	11	12:00	2010	10	11
2010	10	12	12:00	2010	10	12
2010	11	1	12:00	2010	11	1
2010	11	2	12:00	2010	11	2
2010	11	3	12:00	2010	11	3
2010	11	4	12:00	2010	11	4
2010	11	5	12:00	2010	11	5
2010	11	6	12:00	2010	11	6
2010	11	7	12:00	2010	11	7
2010	11	8	12:00	2010	11	8
2010	11	9	12:00	2010	11	9
2010	11	10	12:00	2010	11	10
2010	11	11	12:00	2010	11	11
2010	11	12	12:00	2010	11	12
2010	12	1	12:00	2010	12	1
2010	12	2	12:00	2010	12	2
2010	12	3	12:00	2010	12	3
2010	12	4	12:00	2010	12	4
2010	12	5	12:00	2010	12	5
2010	12	6	12:00	2010	12	6
2010	12	7	12:00	2010	12	7
2010	12	8	12:00	2010	12	8
2010	12	9	12:00	2010	12	9
2010	12	10	12:00	2010	12	10
2010	12	11	12:00	2010	12	11
2010	12	12	12:00	2010	12	12

J. H. W. Lam, Department of Mathematics, University of Hong Kong

Variable	Unit	Scenario		Scenario	Scenario	Scenario
		2010	2015			
1. Total population	millions	1.2	1.5	1.5	1.5	1.5
2. Total population	millions	1.2	1.5	1.5	1.5	1.5
3. Total population	millions	1.2	1.5	1.5	1.5	1.5
4. Total population	millions	1.2	1.5	1.5	1.5	1.5
5. Total population	millions	1.2	1.5	1.5	1.5	1.5

Activity	Date	Description		Amount	Balance
		Debit	Credit		
Balance					
Deposits					
Withdrawals					
Interest					
Transfer					
Other					
Total					

เอกสารไม่ควบคุม

James West Galt

[illegible]

E-Learning Courses on Fire Hydrant Systems

[illegible]

เอกสารไม่ควบคุม

© 2008 Blackwell Publishing Ltd, *Journal of Internal Medicine* 263: 105–112

Test Rating	PS	Assessment	Assessment	Assessment	Assessment
100%	100%	100%	100%	100%	100%
90%	90%	90%	90%	90%	90%
80%	80%	80%	80%	80%	80%
70%	70%	70%	70%	70%	70%
60%	60%	60%	60%	60%	60%
50%	50%	50%	50%	50%	50%
40%	40%	40%	40%	40%	40%
30%	30%	30%	30%	30%	30%
20%	20%	20%	20%	20%	20%
10%	10%	10%	10%	10%	10%
0%	0%	0%	0%	0%	0%

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

Date	Time	Location	Weather		Temperature	Wind	Sea
			Temp	Wind			
1.01.2019	08.00	10.00	10.00	10.00	10.00	10.00	10.00
1.02.2019	08.00	10.00	10.00	10.00	10.00	10.00	10.00
1.03.2019	08.00	10.00	10.00	10.00	10.00	10.00	10.00
1.04.2019	08.00	10.00	10.00	10.00	10.00	10.00	10.00
1.05.2019	08.00	10.00	10.00	10.00	10.00	10.00	10.00
1.06.2019	08.00	10.00	10.00	10.00	10.00	10.00	10.00
1.07.2019	08.00	10.00	10.00	10.00	10.00	10.00	10.00
1.08.2019	08.00	10.00	10.00	10.00	10.00	10.00	10.00
1.09.2019	08.00	10.00	10.00	10.00	10.00	10.00	10.00
1.10.2019	08.00	10.00	10.00	10.00	10.00	10.00	10.00
1.11.2019	08.00	10.00	10.00	10.00	10.00	10.00	10.00
1.12.2019	08.00	10.00	10.00	10.00	10.00	10.00	10.00

11. [L. Jones & Associates](#)

D. 2.2. - Gleditsie	Sempervirens			Sempervirens	Sempervirens	
	1991	1992	1993		1994	1995
1991 - 1992	1991	1992	1993	1994	1995	
1992 - 1993	1992	1993	1994	1995	1996	
1993 - 1994	1993	1994	1995	1996	1997	
1994 - 1995	1994	1995	1996	1997	1998	
1995 - 1996	1995	1996	1997	1998	1999	
1996 - 1997	1996	1997	1998	1999	2000	
1997 - 1998	1997	1998	1999	2000	2001	
1998 - 1999	1998	1999	2000	2001	2002	
1999 - 2000	1999	2000	2001	2002	2003	
2000 - 2001	2000	2001	2002	2003	2004	
2001 - 2002	2001	2002	2003	2004	2005	
2002 - 2003	2002	2003	2004	2005	2006	
2003 - 2004	2003	2004	2005	2006	2007	
2004 - 2005	2004	2005	2006	2007	2008	
2005 - 2006	2005	2006	2007	2008	2009	
2006 - 2007	2006	2007	2008	2009	2010	
2007 - 2008	2007	2008	2009	2010	2011	
2008 - 2009	2008	2009	2010	2011	2012	
2009 - 2010	2009	2010	2011	2012	2013	
2010 - 2011	2010	2011	2012	2013	2014	
2011 - 2012	2011	2012	2013	2014	2015	
2012 - 2013	2012	2013	2014	2015	2016	
2013 - 2014	2013	2014	2015	2016	2017	
2014 - 2015	2014	2015	2016	2017	2018	
2015 - 2016	2015	2016	2017	2018	2019	
2016 - 2017	2016	2017	2018	2019	2020	
2017 - 2018	2017	2018	2019	2020	2021	
2018 - 2019	2018	2019	2020	2021	2022	
2019 - 2020	2019	2020	2021	2022	2023	
2020 - 2021	2020	2021	2022	2023	2024	
2021 - 2022	2021	2022	2023	2024	2025	
2022 - 2023	2022	2023	2024	2025	2026	
2023 - 2024	2023	2024	2025	2026	2027	
2024 - 2025	2024	2025	2026	2027	2028	
2025 - 2026	2025	2026	2027	2028	2029	
2026 - 2027	2026	2027	2028	2029	2030	
2027 - 2028	2027	2028	2029	2030	2031	
2028 - 2029	2028	2029	2030	2031	2032	
2029 - 2030	2029	2030	2031	2032	2033	
2030 - 2031	2030	2031	2032	2033	2034	
2031 - 2032	2031	2032	2033	2034	2035	
2032 - 2033	2032	2033	2034	2035	2036	
2033 - 2034	2033	2034	2035	2036	2037	
2034 - 2035	2034	2035	2036	2037	2038	
2035 - 2036	2035	2036	2037	2038	2039	
2036 - 2037	2036	2037	2038	2039	2040	
2037 - 2038	2037	2038	2039	2040	2041	
2038 - 2039	2038	2039	2040	2041	2042	
2039 - 2040	2039	2040	2041	2042	2043	
2040 - 2041	2040	2041	2042	2043	2044	
2041 - 2042	2041	2042	2043	2044	2045	
2042 - 2043	2042	2043	2044	2045	2046	
2043 - 2044	2043	2044	2045	2046	2047	
2044 - 2045	2044	2045	2046	2047	2048	
2045 - 2046	2045	2046	2047	2048	2049	
2046 - 2047	2046	2047	2048	2049	2050	
2047 - 2048	2047	2048	2049	2050	2051	
2048 - 2049	2048	2049	2050	2051	2052	
2049 - 2050	2049	2050	2051	2052	2053	
2050 - 2051	2050	2051	2052	2053	2054	
2051 - 2052	2051	2052	2053	2054	2055	
2052 - 2053	2052	2053	2054	2055	2056	
2053 - 2054	2053	2054	2055	2056	2057	
2054 - 2055	2054	2055	2056	2057	2058	
2055 - 2056	2055	2056	2057	2058	2059	
2056 - 2057	2056	2057	2058	2059	2060	
2057 - 2058	2057	2058	2059	2060	2061	
2058 - 2059	2058	2059	2060	2061	2062	
2059 - 2060	2059	2060	2061	2062	2063	
2060 - 2061	2060	2061	2062	2063	2064	
2061 - 2062	2061	2062	2063	2064	2065	
2062 - 2063	2062	2063	2064	2065	2066	
2063 - 2064	2063	2064	2065	2066	2067	
2064 - 2065	2064	2065	2066	2067	2068	
2065 - 2066	2065	2066	2067	2068	2069	
2066 - 2067	2066	2067	2068	2069	2070	
2067 - 2068	2067	2068	2069	2070	2071	
2068 - 2069	2068	2069	2070	2071	2072	
2069 - 2070	2069	2070	2071	2072	2073	
2070 - 2071	2070	2071	2072	2073	2074	
2071 - 2072	2071	2072	2073	2074	2075	
2072 - 2073	2072	2073	2074	2075	2076	
2073 - 2074	2073	2074	2075	2076	2077	
2074 - 2075	2074	2075	2076	2077	2078	
2075 - 2076	2075	2076	2077	2078	2079	
2076 - 2077	2076	2077	2078	2079	2080	
2077 - 2078	2077	2078	2079	2080	2081	
2078 - 2079	2078	2079	2080	2081	2082	
2079 - 2080	2079	2080	2081	2082	2083	
2080 - 2081	2080	2081	2082	2083	2084	
2081 - 2082	2081	2082	2083	2084	2085	
2082 - 2083	2082	2083	2084	2085	2086	
2083 - 2084	2083	2084	2085	2086	2087	
2084 - 2085	2084	2085	2086	2087	2088	
2085 - 2086	2085	2086	2087	2088	2089	
2086 - 2087	2086	2087	2088	2089	2090	
2087 - 2088	2087	2088	2089	2090	2091	
2088 - 2089	2088	2089	2090	2091	2092	
2089 - 2090	2089	2090	2091	2092	2093	
2090 - 2091	2090	2091	2092	2093	2094	
2091 - 2092	2091	2092	2093	2094	2095	
2092 - 2093	2092	2093	2094	2095	2096	
2093 - 2094	2093	2094	2095	2096	2097	
2094 - 2095	2094	2095	2096	2097	2098	
2095 - 2096	2095	2096	2097	2098	2099	
2096 - 2097	2096	2097	2098	2099	2100	
2097 - 2098	2097	2098	2099	2100	2101	
2098 - 2099	2098	2099	2100	2101	2102	
2099 - 2100	2099	2100	2101	2102	2103	
2100 - 2101	2100	2101	2102	2103	2104	
2101 - 2102	2101	2102	2103	2104	2105	
2102 - 2103	2102	2103	2104	2105	2106	
2103 - 2104	2103	2104	2105	2106	2107	
2104 - 2105	2104	2105	2106	2107	2108	
2105 - 2106	2105	2106	2107	2108	2109	
2106 - 2107	2106	2107	2108	2109	2110	
2107 - 2108	2107	2108	2109	2110	2111	
2108 - 2109	2108	2109	2110	2111	2112	
2109 - 2110	2109	2110	2111	2112	2113	
2110 - 2111	2110	2111	2112	2113	2114	
2111 - 2112	2111	2112	2113	2114	2115	
2112 - 2113	2112	2113	2114	2115	2116	
2113 - 2114	2113	2114	2115	2116	2117	
2114 - 2115	2114	2115	2116	2117	2118	
2115 - 2116	2115	2116	2117	2118	2119	
2116 - 2117	2116	2117	2118	2119	2120	
2117 - 2118	2117	2118	2119	2120	2121	
2118 - 2119	2118	2119	2120	2121	2122	
2119 - 2120	2119	2120	2121	2122	2123	
2120 - 2121	2120	2121	2122	2123	2124	
2121 - 2122	2121	2122	2123	2124	2125	
2122 - 2123	2122	2123	2124	2125	2126	
2123 - 2124	2123	2124	2125	2126	2127	
2124 - 2125	2124	2125	2126	2127	2128	
2125 - 2126	2125	2126	2127	2128	2129	
2126 - 2127	2126	2127	2128	2129	2130	
2127 - 2128	2127	2128	2129	2130	2131	
2128 - 2129	2128	2129	2130	2131	2132	
2129 - 2130	2129	2130	2131	2132	2133	
2130 - 2131	2130	2131	2132	2133	2134	
2131 - 2132	2131	2132	2133	2134	2135	
2132 - 2133	2132	2133	2134	2135	2136	
2133 - 2134	2133	2134	2135	2136	2137	
2134 - 2135	2134	2135	2136	2137	2138	
2135 - 2136	2135	2136	2137	2138	2139	
2136 - 2137	2136	2137	2138	2139	2140	
2137 - 2138	2137	2138	2139	2140	2141	
2138 - 2139	2138	2139	2140	2141	2142	
2139 - 2140	2139	2140	2141	2142	2143	
2140 - 2141	2140	2141	2142	2143	2144	
2141 - 2142	2141	2142	2143	2144	2145	
2142 - 2143	2142	2143	2144	2145	2146	
2143 - 2144	2143	2144	2145	2146	2147	
2144 - 2145	2144	2145	2146	2147	2148	
2145 - 2146	2145	2146	2147	2148	2149	
2146 - 2147	2146	2147	2148	2149	2150	
2147 - 2148	2147	2148	2149	2150	2151	
2148 - 2149	2148	2149	2150	2151	2152	
2149 - 2150	2149	2150	2151	2152	2153	
2150 - 2151	2150	2151	2152	2153	2154	
2151 - 2152	2151	2152	2153	2154	2155	
2152 - 2153	2152	2153	2154	2155	2156	
2153 - 2154	2153	2154	2155	2156	2157	
2154 - 2155	2154	2155	2156	2157	2158	
2155 - 2156	2155	2156	2157	2158	2159	
2156 - 2157	2156	2157	2158	2159	2160	
2157 - 2158	2157	2158	2159	2160	2161	
2158 - 2159	2158	2159	2160	2161	2162	
2159 - 2160	2159	2160	2161	2162	2163	
2160 - 2161	2160	2161	2162	2163	2164	
2161 - 2162	2161	2162	2163	2164	2165	
2162 - 2163	2162	2163	2164	2165	2166	
2163 - 2164	2163	2164	2165	2166	2167	
2164 - 2165	2164	2165	2166	2167	2168	
2165 - 2166	2165	2166	2167	2168	2169	
2166 - 2167	2166	2167	2168	2169	2170	
2167 - 2168	2167	2168	2169	2170	2171	
2168 - 2169	2168	2169	2170	2171	2172	
2169 - 2170	2169	2170	2171	2172	2173	
2170 - 2171	2170	2171	2172	2173	2174	
2171 - 2172	2171	2172	2173	2174	2175	
2172 - 2173	2172	2173	2174	2175	2176	
2173 - 2174	2173	2174	2175	2176	2177	
2174 - 2175	2174	2175	2176	2177	2178	
2175 - 2176	2175	2176	2177	2178	2179	
2176 - 2177	2176	2177	2178	2179	2180	
2177 - 2178	2177	2178	2179	2180	2181	
2178 - 2179	2178	2179	2180	2181	2182	
2179 - 2180	2179	2180	2181	2182	2183	
2180 - 2181	2180	2181	2182	2183	2184	
2181 - 2182	2181	2182	2183	2184	2185	
2182 - 2183	2182	2183	2184			

เอกสารไม่ควบคุม

18. *Staphylococcus aureus*

[illegible]

10. *Revised August 2006*

[illegible]

1

Expenses	Accounting entries Accounting of transactions
1. Acquisition of land for building	Dr Land
2. Acquisition of building	Dr Building
3. Acquisition of furniture	Dr Furniture
4. Acquisition of motor vehicle	Dr Motor vehicle
5. Acquisition of stock	Dr Stock
6. Acquisition of cash	Dr Cash
7. Acquisition of bank balance	Dr Bank
8. Acquisition of credit balance	Dr Credit
9. Acquisition of debt	Dr Debt
10. Acquisition of equity	Dr Equity
11. Acquisition of liability	Dr Liability
12. Acquisition of asset	Dr Asset
13. Acquisition of income	Dr Income
14. Acquisition of expense	Dr Expense
15. Acquisition of loss	Dr Loss
16. Acquisition of profit	Dr Profit
17. Acquisition of dividend	Dr Dividend
18. Acquisition of interest	Dr Interest
19. Acquisition of rent	Dr Rent
20. Acquisition of salary	Dr Salary
21. Acquisition of wages	Dr Wages
22. Acquisition of commission	Dr Commission
23. Acquisition of brokerage	Dr Brokerage
24. Acquisition of advertising	Dr Advertising
25. Acquisition of postage	Dr Postage
26. Acquisition of telephone	Dr Telephone
27. Acquisition of electricity	Dr Electricity
28. Acquisition of water	Dr Water
29. Acquisition of gas	Dr Gas
30. Acquisition of fuel	Dr Fuel
31. Acquisition of food	Dr Food
32. Acquisition of clothing	Dr Clothing
33. Acquisition of entertainment	Dr Entertainment
34. Acquisition of travel	Dr Travel
35. Acquisition of medical	Dr Medical
36. Acquisition of dental	Dr Dental
37. Acquisition of optical	Dr Optical
38. Acquisition of hairdressing	Dr Hairdressing
39. Acquisition of beauty	Dr Beauty
40. Acquisition of health	Dr Health
41. Acquisition of fitness	Dr Fitness
42. Acquisition of sports	Dr Sports
43. Acquisition of hobbies	Dr Hobbies
44. Acquisition of pets	Dr Pets
45. Acquisition of plants	Dr Plants
46. Acquisition of animals	Dr Animals
47. Acquisition of insects	Dr Insects
48. Acquisition of birds	Dr Birds
49. Acquisition of fish	Dr Fish
50. Acquisition of reptiles	Dr Reptiles
51. Acquisition of amphibians	Dr Amphibians
52. Acquisition of mammals	Dr Mammals
53. Acquisition of invertebrates	Dr Invertebrates
54. Acquisition of vertebrates	Dr Vertebrates
55. Acquisition of arthropods	Dr Arthropods
56. Acquisition of molluscs	Dr Molluscs
57. Acquisition of annelids	Dr Annelids
58. Acquisition of cnidarians	Dr Cnidarians
59. Acquisition of nematodes	Dr Nematodes
60. Acquisition of fungi	Dr Fungi
61. Acquisition of bacteria	Dr Bacteria
62. Acquisition of viruses	Dr Viruses
63. Acquisition of protozoa	Dr Protozoa
64. Acquisition of algae	Dr Algae
65. Acquisition of lichens	Dr Lichens
66. Acquisition of mosses	Dr Mosses
67. Acquisition of ferns	Dr Ferns
68. Acquisition of gymnosperms	Dr Gymnosperms
69. Acquisition of angiosperms	Dr Angiosperms
70. Acquisition of fungi	Dr Fungi
71. Acquisition of bacteria	Dr Bacteria
72. Acquisition of viruses	Dr Viruses
73. Acquisition of protozoa	Dr Protozoa
74. Acquisition of algae	Dr Algae
75. Acquisition of lichens	Dr Lichens
76. Acquisition of mosses	Dr Mosses
77. Acquisition of ferns	Dr Ferns
78. Acquisition of gymnosperms	Dr Gymnosperms
79. Acquisition of angiosperms	Dr Angiosperms
80. Acquisition of fungi	Dr Fungi
81. Acquisition of bacteria	Dr Bacteria
82. Acquisition of viruses	Dr Viruses
83. Acquisition of protozoa	Dr Protozoa
84. Acquisition of algae	Dr Algae
85. Acquisition of lichens	Dr Lichens
86. Acquisition of mosses	Dr Mosses
87. Acquisition of ferns	Dr Ferns
88. Acquisition of gymnosperms	Dr Gymnosperms
89. Acquisition of angiosperms	Dr Angiosperms
90. Acquisition of fungi	Dr Fungi
91. Acquisition of bacteria	Dr Bacteria
92. Acquisition of viruses	Dr Viruses
93. Acquisition of protozoa	Dr Protozoa
94. Acquisition of algae	Dr Algae
95. Acquisition of lichens	Dr Lichens
96. Acquisition of mosses	Dr Mosses
97. Acquisition of ferns	Dr Ferns
98. Acquisition of gymnosperms	Dr Gymnosperms
99. Acquisition of angiosperms	Dr Angiosperms
100. Acquisition of fungi	Dr Fungi

เอกสารไม่ควบคุม

Revised 10/10/2010

1. The first step in the process of identifying a problem is to define the problem. This involves identifying the symptoms of the problem and determining the scope of the problem. Once the problem has been defined, the next step is to identify the causes of the problem. This involves identifying the factors that are contributing to the problem and determining the underlying causes. Once the causes have been identified, the next step is to develop a plan of action. This involves identifying the steps that need to be taken to solve the problem and determining the resources that will be needed to implement the plan. Finally, the last step is to implement the plan and monitor the results. This involves putting the plan into action and tracking the progress of the solution. Once the problem has been solved, the final step is to evaluate the results and determine if the solution was effective. This involves comparing the results of the solution to the original problem and determining if the problem has been solved.



100

name	John William Smith	birth date	1870-01-01
gender	male	death date	1950-01-01

© 2000 Blackwell Science Ltd

Parameter	Value	Unit
Mass	1000	kg
Length	100	m
Width	10	m
Height	10	m
Volume	10000	m ³
Area	1000	m ²

© 2005 Blackwell Publishing Ltd *Journal of Internal Medicine* 258: 105–112

Age	18-24
Gender	Female
Marital Status	Single
Education	High School
Income	\$10,000-\$15,000
Occupation	Student
Interests	Music, Movies, Travel
Device	Smartphone
Location	New York City
Time of Day	Evening
Weather	Sunny
Event	Concert
Duration	1-2 hours
Frequency	Weekly
Feedback	Positive
Comments	Great show, loved the music!
Rating	5/5
Follow-up	Yes
Next Steps	Book next concert
Notes	Very enthusiastic fan!
Tags	Music, Live Performance
Source	Event Organizer
Version	1.0
Created	2023-10-27
Updated	2023-10-27
Author	John Doe
Contact	john.doe@example.com
Phone	(123) 456-7890
Address	123 Main St, New York, NY 10001
City	New York
State	NY
Zip	10001
Country	USA
Language	English
Currency	USD
Timezone	EST
Calendar	Gregorian
Units	Imperial
Measurements	Feet, Pounds
Weights	150 lbs
Height	5'8"
Weight	150 lbs
Age	25
Gender	Male
Marital Status	Single
Education	Bachelor's
Income	\$40,000-\$50,000
Occupation	Software Engineer
Interests	Technology, Gaming, Reading
Device	Desktop
Location	Los Angeles
Time of Day	Afternoon
Weather	Clear
Event	Work Meeting
Duration	1 hour
Frequency	Monthly
Feedback	Neutral
Comments	Meeting went well, discussed new project.
Rating	3/5
Follow-up	No
Next Steps	Review project progress
Notes	Client interested in new features.
Tags	Business, Meeting
Source	Project Manager
Version	1.0
Created	2023-10-27
Updated	2023-10-27
Author	Jane Smith
Contact	jane.smith@example.com
Phone	(310) 555-1234
Address	456 Sunset Blvd, Los Angeles, CA 90028
City	Los Angeles
State	CA
Zip	90028
Country	USA
Language	English
Currency	USD
Timezone	PST
Calendar	Gregorian
Units	Imperial
Measurements	Feet, Pounds
Weights	160 lbs
Height	5'10"
Weight	160 lbs
Age	30
Gender	Female
Marital Status	Married
Education	Master's
Income	\$60,000-\$70,000
Occupation	Marketing Manager
Interests	Art, Travel, Gardening
Device	Tablet
Location	San Francisco
Time of Day	Morning
Weather	Foggy
Event	Art Exhibition
Duration	2 hours
Frequency	Quarterly
Feedback	Positive
Comments	Amazing art collection, loved the modern pieces.
Rating	4/5
Follow-up	Yes
Next Steps	Visit next exhibition
Notes	Met some interesting artists.
Tags	Art, Culture
Source	Art Collector
Version	1.0
Created	2023-10-27
Updated	2023-10-27
Author	Michael Chen
Contact	michael.chen@example.com
Phone	(415) 555-9876
Address	789 Market St, San Francisco, CA 94102
City	San Francisco
State	CA
Zip	94102
Country	USA
Language	English
Currency	USD
Timezone	PST
Calendar	Gregorian
Units	Imperial
Measurements	Feet, Pounds
Weights	170 lbs
Height	6'0"
Weight	170 lbs
Age	35
Gender	Male
Marital Status	Married
Education	PhD
Income	\$80,000-\$90,000
Occupation	Professor
Interests	History, Research, Teaching
Device	Laptop
Location	Boston
Time of Day	Evening
Weather	Cloudy
Event	Academic Conference
Duration	3 days
Frequency	Annually
Feedback	Positive
Comments	Great conference, lots of valuable insights.
Rating	5/5
Follow-up	Yes
Next Steps	Review conference materials
Notes	Met several potential collaborators.
Tags	Academic, Conference
Source	Academic
Version	1.0
Created	2023-10-27
Updated	2023-10-27
Author	Emily White
Contact	emily.white@example.com
Phone	(617) 555-4321
Address	101 Beacon St, Boston, MA 02116
City	Boston
State	MA
Zip	02116
Country	USA
Language	English
Currency	USD
Timezone	EST
Calendar	Gregorian
Units	Imperial
Measurements	Feet, Pounds
Weights	155 lbs
Height	5'7"
Weight	155 lbs
Age	28
Gender	Female
Marital Status	Single
Education	

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

Category	Value	Unit	Year	Source	Notes
Population (2000)	100,000	Persons	2000	U.S. Census Bureau	
Population (2010)	120,000	Persons	2010	U.S. Census Bureau	
Population (2020)	140,000	Persons	2020	U.S. Census Bureau	
Population (2030)	160,000	Persons	2030	U.S. Census Bureau	
Population (2040)	180,000	Persons	2040	U.S. Census Bureau	
Population (2050)	200,000	Persons	2050	U.S. Census Bureau	

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

[illegible]

Figure 10-10

² *Journal of Management Education* 24(1): 10-11.

Treatment	Control	2000-2005		2006-2010		p-Value (overall)	Interaction	Strata
		OR (95% CI)	p-Value	OR (95% CI)	p-Value			
Age-standardized	1.00	1.00	1.00	1.00	1.00	0.001	0.001	Age
Gender-standardized	1.00	1.00	1.00	1.00	1.00	0.001	0.001	Gender

© 2006 The Authors
Journal compilation © 2006 Blackwell Publishing Ltd

[illegible]

© 2006 Blackwell Publishing Ltd, *Journal of Internal Medicine* 260: 105–114

[illegible]

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

Tipe dan Model	Jumlah dan Jenis Sampel			Jumlah Sampel	Jumlah Sampel	Jumlah Sampel
	Jumlah Sampel	Jumlah Sampel	Jumlah Sampel			
Model 1	100	100	100	100	100	100
Model 2	100	100	100	100	100	100
Model 3	100	100	100	100	100	100
Model 4	100	100	100	100	100	100
Model 5	100	100	100	100	100	100
Model 6	100	100	100	100	100	100
Model 7	100	100	100	100	100	100
Model 8	100	100	100	100	100	100
Model 9	100	100	100	100	100	100
Model 10	100	100	100	100	100	100
Model 11	100	100	100	100	100	100
Model 12	100	100	100	100	100	100
Model 13	100	100	100	100	100	100
Model 14	100	100	100	100	100	100
Model 15	100	100	100	100	100	100
Model 16	100	100	100	100	100	100
Model 17	100	100	100	100	100	100
Model 18	100	100	100	100	100	100
Model 19	100	100	100	100	100	100
Model 20	100	100	100	100	100	100
Model 21	100	100	100	100	100	100
Model 22	100	100	100	100	100	100
Model 23	100	100	100	100	100	100
Model 24	100	100	100	100	100	100
Model 25	100	100	100	100	100	100
Model 26	100	100	100	100	100	100
Model 27	100	100	100	100	100	100
Model 28	100	100	100	100	100	100
Model 29	100	100	100	100	100	100
Model 30	100	100	100	100	100	100
Model 31	100	100	100	100	100	100
Model 32	100	100	100	100	100	100
Model 33	100	100	100	100	100	100
Model 34	100	100	100	100	100	100
Model 35	100	100	100	100	100	100
Model 36	100	100	100	100	100	100
Model 37	100	100	100	100	100	100
Model 38	100	100	100	100	100	100
Model 39	100	100	100	100	100	100
Model 40	100	100	100	100	100	100
Model 41	100	100	100	100	100	100
Model 42	100	100	100	100	100	100
Model 43	100	100	100	100	100	100
Model 44	100	100	100	100	100	100
Model 45	100	100	100	100	100	100
Model 46	100	100	100	100	100	100
Model 47	100	100	100	100	100	100
Model 48	100	100	100	100	100	100
Model 49	100	100	100	100	100	100
Model 50	100	100	100	100	100	100
Model 51	100	100	100	100	100	100
Model 52	100	100	100	100	100	100
Model 53	100	100	100	100	100	100
Model 54	100	100	100	100	100	100
Model 55	100	100	100	100	100	100
Model 56	100	100	100	100	100	100

© 2006 The Authors
Journal compilation © 2006 Blackwell Publishing Ltd

Year	Population (millions)			GDP (billions of \$)	Per capita GDP (\$)
	1990	2000	2010		
1990	1.2	1.2	1.2	1.2	1.2
2000	1.2	1.2	1.2	1.2	1.2
2010	1.2	1.2	1.2	1.2	1.2
2015	1.2	1.2	1.2	1.2	1.2
2020	1.2	1.2	1.2	1.2	1.2
2025	1.2	1.2	1.2	1.2	1.2
2030	1.2	1.2	1.2	1.2	1.2
2035	1.2	1.2	1.2	1.2	1.2
2040	1.2	1.2	1.2	1.2	1.2
2045	1.2	1.2	1.2	1.2	1.2
2050	1.2	1.2	1.2	1.2	1.2

1. *Phragmites australis* (Cav.) Trin. ex Steud.

Description	2010	2011		2012 (est.)	2013 (est.)	2014 (est.)
		2011	2012			
1. Operating	100	100	100	100	100	100
2. Non-operating	10	10	10	10	10	10
3. Total	110	110	110	110	110	110

[illegible][illegible]

gender	female
age	21
education	graduate

Company Information

Category	Item	Quantity	Unit Price	Total Price	Remarks
Material	Concrete	100	1.50	150.00	
Material	Rebar	50	3.00	150.00	
Material	Gravel	200	0.75	150.00	
Material	Sand	150	1.00	150.00	
Material	Brick	1000	0.15	150.00	
Material	Plaster	100	1.50	150.00	
Material	Paint	50	3.00	150.00	
Material	Roofing	100	1.50	150.00	
Material	Insulation	100	1.50	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	
Material	Sanitary	10	15.00	150.00	
Material	Electrical	10	15.00	150.00	
Material	Plumbing	10	15.00	150.00	
Material	Painting	10	15.00	150.00	
Material	Roofing	10	15.00	150.00	
Material	Insulation	10	15.00	150.00	
Material	Window	10	15.00	150.00	
Material	Door	5	30.00	150.00	
Material	Flooring	100	1.50	150.00	
Material	Lighting	10	15.00	150.00	

1. <http://www.ck12.org>

Country	Year	Population (millions)			GDP (billions USD)	GDP per capita (USD)
		2010	2015	2020		
China	2010	1370	1368	1355	5436	3960
India	2010	1103	1210	1286	1563	1419
USA	2010	309	312	315	14720	47639
Japan	2010	128	127	126	5474	43523
Germany	2010	82	82	81	3701	45136
France	2010	65	65	65	2740	42154
UK	2010	61	61	61	2439	39983
Italy	2010	61	61	61	2145	35180
Spain	2010	45	45	45	1740	38667
Canada	2010	34	34	34	1371	40323
Australia	2010	22	22	22	750	34091
South Korea	2010	47	47	47	1656	35234
South Africa	2010	44	44	44	192	4364
Brazil	2010	192	194	196	1805	9301
Mexico	2010	112	113	114	1205	10667
Argentina	2010	40	40	40	535	13375
Colombia	2010	44	44	44	145	3295
Peru	2010	29	29	29	175	6034
Venezuela	2010	26	26	26	150	5769
Egypt	2010	80	80	80	180	2250
Nigeria	2010	160	165	170	51	318
Kenya	2010	35	36	37	12	344
India	2010	1103	1210	1286	1563	1419
China	2010	1370	1368	1355	5436	3960

เอกสารไม่ควบคุม

Production	100,000 units
Inventory	20,000 units
Disposal	10,000 units

Journal of Management Education 31(10)p.1139-1150

Description	Unit	2019		2018	2017	2016	2015
		2019	2018				
Operating income	\$	1,234	1,123	1,012	901	890	789
Non-operating income	\$	123	112	101	90	89	78
Income before taxes	\$	1,357	1,235	1,113	991	979	867
Income tax expense	\$	(345)	(312)	(289)	(267)	(256)	(234)
Net income	\$	1,012	923	824	724	723	633

18. 1998年10月1日

[illegible]

J. H. Duerksen, M.D., M.Sc., FRCPC

[illegible]

เอกสารไม่ควบคุม

1999-2000	1999-2000
2000-2001	2000-2001

Abstract—The purpose of this study was to determine the effect of a 12-week training program on the heart rate (HR) and heart rate reserve (HRR) of sedentary middle-aged men. The subjects were divided into two groups: a control group and an exercise group. The exercise group performed a 12-week training program consisting of three sessions per week, each lasting 30 minutes. The control group did not exercise. The HR and HRR were measured at rest and during exercise at the beginning and end of the 12-week period. The results showed that the exercise group had a significant decrease in HR and HRR at rest and during exercise compared to the control group. The control group had no significant change in HR and HRR. The results suggest that a 12-week training program can improve the cardiovascular fitness of sedentary middle-aged men.

Category	Item	Value	Unit	Notes
Total	Sum of all items	1000		
	Average	200		
Subtotal	Sum of selected items	500		
Percentage	Percentage of total	50%		

[illegible]

10

Variable	Measure (standard)
Age	10-14 years
Gender	Male
Education	High school
Income	Low
Health status	Good
Family size	Small
Marital status	Married
Occupation	Unemployed
Religion	Christian
Political affiliation	Democrat
Language	English
Country	USA

เอกสารไม่ควบคุม

1990-1991	1991-1992
1992-1993	1993-1994

Keywords: child sexual abuse; disclosure; disclosure strategies

[illegible]

เอกสารไม่ควบคุม

© 2000 Blackwell Science Ltd

Author	W. S. Marras, University of Michigan, Ann Arbor, MI, USA	Received 15 April 1997
Editor	Dr G. Salvendy, Yokohama National University, Yokohama, Japan	Accepted 15 July 1997

Source: <http://www.fishbase.org>, accessed 2008-01-20.

[illegible]

Variable	Mean	Std.	SE	Lower Bound	Upper Bound
Intercept	1.000	.000	.000	.000	2.000
Age	1.000	.000	.000	.000	2.000
Gender	1.000	.000	.000	.000	2.000

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 105–112

1. *Journal of the American Medical Association*, 1997; 277: 103-107.

Author's address: Department of Mathematics, University of California, San Diego, La Jolla, CA 92037, USA.
E-mail: shashank@ucsd.edu

เอกสารไม่ควบคุม

Revenue	100
Expenses	100
Profit	0

1. *Journal of the American Statistical Association*, 1998, 93, 1103-1114.

[illegible]

© 2006 The Authors
Journal compilation © 2006 Blackwell Publishing Ltd

1. In the *Journal of the American Medical Association*, 1990, 263:1000-1001.

2010-2011	2010-2011	2010-2011
2010-2011	2010-2011	2010-2011
2010-2011	2010-2011	2010-2011
2010-2011	2010-2011	2010-2011

A. baumannii-associated and *M. tuberculosis*-infected TB patients' health status

	Mean	SD
Pre-Test	68.00	10.00
Post-Test	75.00	12.00

© 2006 Blackwell Publishing Ltd, *Journal of Internal Medicine* 260: 103–110

[illegible]

เอกสารไม่ควบคุม

Weekend 10	Continuation
Weekend 11	Continuation

† *Phylogenetic analysis of the sequences of the 16S rDNA of the isolates from the different sources.*

Category	Sub-category	Value	Unit	Year	Source
Agriculture	Wheat	100	kg	2010	FAO
	Rice	200	kg	2010	FAO
	Corn	150	kg	2010	FAO
	Soybean	80	kg	2010	FAO
	Barley	60	kg	2010	FAO
	Oats	40	kg	2010	FAO
	Peas	30	kg	2010	FAO
	Lentils	20	kg	2010	FAO
	Beans	10	kg	2010	FAO
	Other	5	kg	2010	FAO

A. Thompson and J. H. Thompson—University of Texas.

[illegible]

Description	Unit	Quantity			Unit Price	Total Price	Remarks
		Item 1	Item 2	Item 3			
Item 1	kg	100	200	300	1.00	600.00	
Item 2	kg	100	200	300	2.00	1200.00	
Item 3	kg	100	200	300	3.00	1800.00	
Item 4	kg	100	200	300	4.00	2400.00	
Item 5	kg	100	200	300	5.00	3000.00	
Item 6	kg	100	200	300	6.00	3600.00	
Item 7	kg	100	200	300	7.00	4200.00	
Item 8	kg	100	200	300	8.00	4800.00	
Item 9	kg	100	200	300	9.00	5400.00	
Item 10	kg	100	200	300	10.00	6000.00	

เอกสารไม่ควบคุม

1. <i>Staphylococcus aureus</i>	2. <i>Staphylococcus aureus</i>
3. <i>Staphylococcus aureus</i>	4. <i>Staphylococcus aureus</i>

Editorial Board

2017 Ending	2016 Ending	2015 Ending	2014 Ending	2013 Ending
2017 Ending	2016 Ending	2015 Ending	2014 Ending	2013 Ending
2017 Ending	2016 Ending	2015 Ending	2014 Ending	2013 Ending
2017 Ending	2016 Ending	2015 Ending	2014 Ending	2013 Ending
2017 Ending	2016 Ending	2015 Ending	2014 Ending	2013 Ending
2017 Ending	2016 Ending	2015 Ending	2014 Ending	2013 Ending

3. Improvements in the international arena

[illegible]

เอกสารไม่ควบคุม

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 103–110

[illegible]

Year	Marketing Results					Advertising Results				
	Revenue	Profit	Cost	Margin	ROI	Revenue	Profit	Cost	Margin	ROI
2010	100	20	80	20%	20%	100	20	80	20%	20%
2011	120	24	96	20%	20%	120	24	96	20%	20%
2012	140	28	112	20%	20%	140	28	112	20%	20%
2013	160	32	128	20%	20%	160	32	128	20%	20%
2014	180	36	144	20%	20%	180	36	144	20%	20%
2015	200	40	160	20%	20%	200	40	160	20%	20%
2016	220	44	176	20%	20%	220	44	176	20%	20%
2017	240	48	192	20%	20%	240	48	192	20%	20%
2018	260	52	208	20%	20%	260	52	208	20%	20%
2019	280	56	224	20%	20%	280	56	224	20%	20%
2020	300	60	240	20%	20%	300	60	240	20%	20%



เอกสารไม่ควบคุม

THE UNIVERSITY OF CHICAGO
 5408 S. LESTER AVE. CHICAGO, ILL. 60637
 TEL: 773-936-5000

FACILITY INFORMATION		FACILITY TYPE		FACILITY STATUS	
Facility Name	1234567890	Facility Type	1234567890	Facility Status	1234567890
Facility Address	1234567890	Facility Address	1234567890	Facility Address	1234567890
Facility Phone	1234567890	Facility Phone	1234567890	Facility Phone	1234567890
Facility Fax	1234567890	Facility Fax	1234567890	Facility Fax	1234567890
Facility Email	1234567890	Facility Email	1234567890	Facility Email	1234567890
Facility Website	1234567890	Facility Website	1234567890	Facility Website	1234567890
Facility Manager	1234567890	Facility Manager	1234567890	Facility Manager	1234567890
Facility Operator	1234567890	Facility Operator	1234567890	Facility Operator	1234567890
Facility Contact	1234567890	Facility Contact	1234567890	Facility Contact	1234567890
Facility Notes	1234567890	Facility Notes	1234567890	Facility Notes	1234567890

[illegible][illegible]

© 2005 Blackwell Publishing Ltd, *Journal of Internal Medicine* 258: 103–110

[illegible]

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26



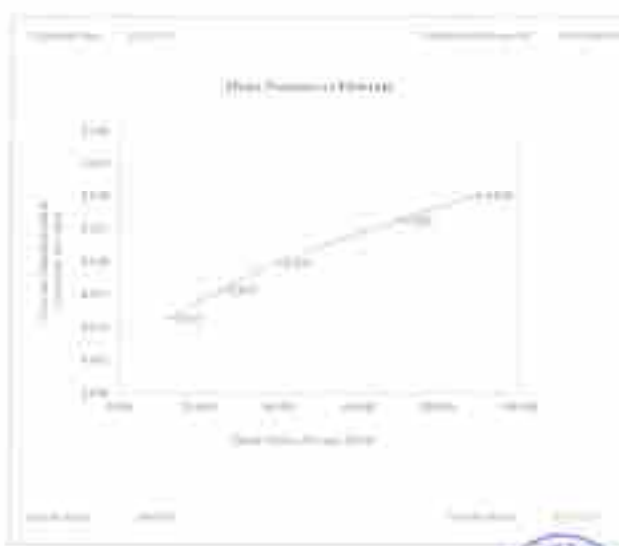
เอกสารไม่ควบคุม

Company and Market Information		Financial Performance				Company and Market Data	
Company Name	Market Cap	Revenue	Profit	EPS	Dividend	Dividend Yield	P/E Ratio
Apple Inc.	\$1.2T	\$2.8B	\$0.8B	\$1.20	\$0.50	4.2%	15.0
Microsoft Corp.	\$1.1T	\$2.6B	\$0.7B	\$1.10	\$0.40	3.6%	14.5
Amazon.com Inc.	\$0.9T	\$2.4B	\$0.6B	\$0.90	\$0.30	3.2%	13.8
Google Inc.	\$0.8T	\$2.2B	\$0.5B	\$0.80	\$0.25	3.0%	13.2
Facebook Inc.	\$0.7T	\$2.0B	\$0.4B	\$0.70	\$0.20	2.8%	12.8
Twitter Inc.	\$0.6T	\$1.8B	\$0.3B	\$0.60	\$0.15	2.5%	12.5
LinkedIn Corp.	\$0.5T	\$1.6B	\$0.2B	\$0.50	\$0.10	2.2%	12.2
Slack Technologies Inc.	\$0.4T	\$1.4B	\$0.1B	\$0.40	\$0.05	1.8%	11.8
Zoom Video Communications Inc.	\$0.3T	\$1.2B	\$0.05B	\$0.30	\$0.02	1.5%	11.5
Dropbox Inc.	\$0.2T	\$1.0B	\$0.02B	\$0.20	\$0.01	1.2%	11.2



เอกสารไม่ควบคุม

Country or territory		Year				Year		
Country or territory	Year	Year	Year	Year	Year	Year	Year	
Algeria	2000	2001	2002	2003	2004	2005	2006	
Angola	2000	2001	2002	2003	2004	2005	2006	
Argentina	2000	2001	2002	2003	2004	2005	2006	
Australia	2000	2001	2002	2003	2004	2005	2006	
Austria	2000	2001	2002	2003	2004	2005	2006	
Bahrain	2000	2001	2002	2003	2004	2005	2006	
Bangladesh	2000	2001	2002	2003	2004	2005	2006	
Barbados	2000	2001	2002	2003	2004	2005	2006	
Belarus	2000	2001	2002	2003	2004	2005	2006	
Belgium	2000	2001	2002	2003	2004	2005	2006	
Belize	2000	2001	2002	2003	2004	2005	2006	
Benin	2000	2001	2002	2003	2004	2005	2006	
Bhutan	2000	2001	2002	2003	2004	2005	2006	
Bolivia	2000	2001	2002	2003	2004	2005	2006	
Bosnia and Herzegovina	2000	2001	2002	2003	2004	2005	2006	
Botswana	2000	2001	2002	2003	2004	2005	2006	
Brazil	2000	2001	2002	2003	2004	2005	2006	
Bulgaria	2000	2001	2002	2003	2004	2005	2006	
Burkina Faso	2000	2001	2002	2003	2004	2005	2006	
Burundi	2000	2001	2002	2003	2004	2005	2006	
Cambodia	2000	2001	2002	2003	2004	2005	2006	
Cameroon	2000	2001	2002	2003	2004	2005	2006	
Canada	2000	2001	2002	2003	2004	2005	2006	
Cape Verde	2000	2001	2002	2003	2004	2005	2006	
Casakhstan	2000	2001	2002	2003	2004	2005	2006	
Cayman Islands	2000	2001	2002	2003	2004	2005	2006	
Czechia	2000	2001	2002	2003	2004	2005	2006	
Dominica	2000	2001	2002	2003	2004	2005	2006	
Dominican Republic	2000	2001	2002	2003	2004	2005	2006	
Ecuador	2000	2001	2002	2003	2004	2005	2006	
Egypt	2000	2001	2002	2003	2004	2005	2006	
El Salvador	2000	2001	2002	2003	2004	2005	2006	
Equatorial Guinea	2000	2001	2002	2003	2004	2005	2006	
Eritrea	2000	2001	2002	2003	2004	2005	2006	
Estonia	2000	2001	2002	2003	2004	2005	2006	
Ethiopia	2000	2001	2002	2003	2004	2005	2006	
Fiji	2000	2001	2002	2003	2004	2005	2006	
Finland	2000	2001	2002	2003	2004	2005	2006	
France	2000	2001	2002	2003	2004	2005	2006	
Gabon	2000	2001	2002	2003	2004	2005	2006	
Gambia	2000	2001	2002	2003	2004	2005	2006	
Georgia	2000	2001	2002	2003	2004	2005	2006	
Germany	2000	2001	2002	2003	2004	2005	2006	
Ghana	2000	2001	2002	2003	2004	2005	2006	
Greece	2000	2001	2002	2003	2004	2005	2006	
Guatemala	2000	2001	2002	2003	2004	2005	2006	
Guinea	2000	2001	2002	2003	2004	2005	2006	



เอกสารไม่ควบคุม

© 1998 Blackwell Science Ltd, *Journal of Internal Medicine* 243: 399–406

	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Corporate Social Responsibility	100%	100%	100%	100%	100%
Environmental Management	100%	100%	100%	100%	100%
Human Resource Management	100%	100%	100%	100%	100%
Information Technology Management	100%	100%	100%	100%	100%
Quality Management	100%	100%	100%	100%	100%
Supply Chain Management	100%	100%	100%	100%	100%
Financial Management	100%	100%	100%	100%	100%
Legal Management	100%	100%	100%	100%	100%
Marketing Management	100%	100%	100%	100%	100%
Operations Management	100%	100%	100%	100%	100%
Project Management	100%	100%	100%	100%	100%
Research and Development	100%	100%	100%	100%	100%
Strategic Management	100%	100%	100%	100%	100%
System Management	100%	100%	100%	100%	100%
Training and Development	100%	100%	100%	100%	100%
Vendor Management	100%	100%	100%	100%	100%
Warehouse Management	100%	100%	100%	100%	100%
Workforce Management	100%	100%	100%	100%	100%
Workplace Safety	100%	100%	100%	100%	100%
Workplace Security	100%	100%	100%	100%	100%
Workplace Wellness	100%	100%	100%	100%	100%
Workplace Environment	100%	100%	100%	100%	100%
Workplace Culture	100%	100%	100%	100%	100%
Workplace Values	100%	100%	100%	100%	100%
Workplace Ethics	100%	100%	100%	100%	100%
Workplace Governance	100%	100%	100%	100%	100%
Workplace Compliance	100%	100%	100%	100%	100%
Workplace Safety & Health	100%	100%	100%	100%	100%
Workplace Security & Risk	100%	100%	100%	100%	100%
Workplace Wellness & Performance	100%	100%	100%	100%	100%
Workplace Environment & Sustainability	100%	100%	100%	100%	100%
Workplace Culture & Values	100%	100%	100%	100%	100%
Workplace Ethics & Governance	100%	100%	100%	100%	100%
Workplace Compliance & Risk	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance	100%	100%	100%	100%	100%
Workplace Culture & Values & Governance	100%	100%	100%	100%	100%
Workplace Ethics & Governance & Risk	100%	100%	100%	100%	100%
Workplace Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance & Environment	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Culture & Values & Governance & Risk	100%	100%	100%	100%	100%
Workplace Ethics & Governance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Culture & Values & Governance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Ethics & Governance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Culture & Values & Governance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Ethics & Governance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Culture & Values & Governance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Ethics & Governance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Culture & Values & Governance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Ethics & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Culture & Values & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Ethics & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Culture & Values & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Ethics & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Culture & Values & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Ethics & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Culture & Values & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Ethics & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Culture & Values & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Ethics & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Culture & Values & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Ethics & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Culture & Values & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Ethics & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Culture & Values & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Ethics & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Culture & Values & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Ethics & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Culture & Values & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Ethics & Governance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk	100%	100%	100%	100%	100%
Workplace Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Safety & Health & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Security & Risk & Compliance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment	100%	100%	100%	100%	100%
Workplace Wellness & Performance & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance	100%	100%	100%	100%	100%
Workplace Environment & Sustainability & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance & Risk & Environment & Compliance &					

Department (in \$ mil)	State and Local Government Spending: %									
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Health	27.2	27.3	26.1	25.2	24.5	23.6	22.9	22.4	21.9	21.6
Law	27.5	27.5	26.2	25.2	24.5					
Police	11.9	12.0	10.9	10.0	9.3	8.6				
Other	11.4	11.4	10.9	10.4	9.7					
Other	11.4	11.4	10.9	10.4	9.7					
Total	27.4	27.4	26.2	25.2	24.5					

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100



เอกสารไม่ควบคุม

CERTIFICATE OF CALIBRATION

Location	Central Island in the Philippines (Luzon)
Address	21 Santa Ana Street, San Francisco, Manila, Philippines 1000
Description of Treatment	1.5 weeks course
Investigator(s)	Scott Greenbaum
Study # Number	100-000000
Control Treatment	Placebo
ARV agent(s) used	ARV agent (AZV)
Concomitant Medication	Placebo (P) or (P+V) Placebo (P) or (P+V+ARV)
Study Date	1998-2000
Study Site	San Francisco

0-688-60042-7, 2002, \$24.95, 400 pp., ISBN 0-688-60042-7

Source of Copyright



เอกสารไม่ควบคุม

RECEIVED: 15 NOVEMBER 1999
ACCEPTED: 25 FEBRUARY 2000
ONLINE: 15 MARCH 2000

[illegible][illegible]

เอกสารไม่ควบคุม

© 2006 The Authors
Journal compilation © 2006 Blackwell Publishing Ltd

FINANCIAL DATA									
Company Name		Year	Country	Industry	Market Cap	Revenue	Profit	Employees	Website
Apple Inc.	2019	USA	Technology	2.8 Trillion	235.8 Billion	52.4 Billion	149,000	apple.com	
Microsoft	2019	USA	Technology	1.9 Trillion	168.0 Billion	43.3 Billion	122,000	microsoft.com	
Amazon	2019	USA	Technology	1.7 Trillion	177.8 Billion	20.8 Billion	754,000	amazon.com	
Facebook	2019	USA	Technology	1.6 Trillion	119.3 Billion	24.0 Billion	54,000	facebook.com	
Google	2019	USA	Technology	1.5 Trillion	251.8 Billion	28.1 Billion	74,000	google.com	
Netflix	2019	USA	Media	0.5 Trillion	20.1 Billion	1.3 Billion	12,000	netflix.com	
Twitter	2019	USA	Technology	0.4 Trillion	2.6 Billion	0.5 Billion	13,000	twitter.com	
LinkedIn	2019	USA	Technology	0.3 Trillion	1.8 Billion	0.3 Billion	10,000	linkedin.com	
Spotify	2019	Sweden	Music	0.2 Trillion	1.2 Billion	0.2 Billion	10,000	spotify.com	
Zoom	2019	USA	Technology	0.1 Trillion	0.8 Billion	0.1 Billion	5,000	zoom.us	

[illegible]

Notes: The independent variable is a ratio of the number of individuals in the sample to the total number of individuals in the population.

© 2006 The Authors
Journal compilation © 2006 Blackwell Publishing Ltd

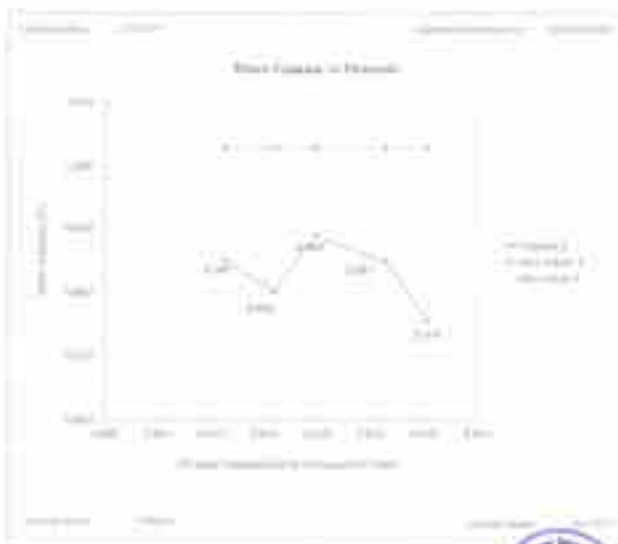
14. <http://www.gutenberg.org/files/10000/10000-h/10000-h.htm>

— *Journal of the American Medical Association*, 1997



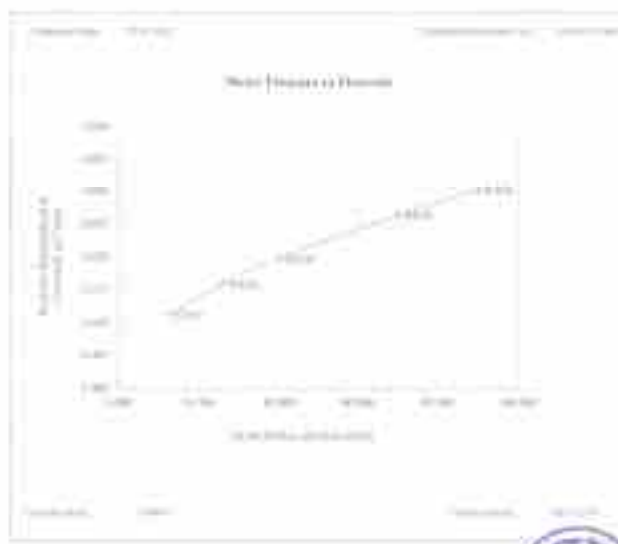
เอกสารไม่ควบคุม

Company Information		Business Description		Financial Data	
Company Name	ABC Corp.	State	Texas	2010 Revenue	\$1.2M
Industry	Technology	Primary Product	Software Solutions	2011 Revenue	\$1.5M
Company Address	123 Main St.	Secondary Product	Hardware Devices	2012 Revenue	\$1.8M
City	San Antonio	Market	Global	2013 Revenue	\$2.1M
State	TX	Competitors	XYZ Inc., DEF Ltd.	2014 Revenue	\$2.5M
Zip	78101	Employees	50	2015 Revenue	\$3.0M
Phone	(214) 555-1234	Website	www.abc.com	2016 Revenue	\$3.5M
Website	www.abc.com	Notes		2017 Revenue	\$4.0M



เอกสารไม่ควบคุม

Financial Summary		Key Metrics		Operational Data	
Revenue (USD)	\$1,234,567	Growth (%)	15.2%	Units Sold	10,000
Expenses (USD)	\$876,543	Profit Margin (%)	29.1%	Customer Sat.	85%
Net Income	\$358,024	Market Share (%)	12.5%	Employee Count	50
EBITDA	\$450,000	ROI (%)	18.7%	Production Vol.	12,000
Operating Exp.	\$500,000	Asset Turnover	2.5x	Inventory Level	5,000
Interest Expense	\$100,000	Debt-to-Equity	0.8x	Accounts Payable	\$200,000
Income Tax	\$50,000	Current Ratio	1.5x	Accounts Receivable	\$300,000
Depreciation	\$100,000	Free Cash Flow	\$150,000	Fixed Assets	\$1,000,000



เอกสารไม่ควบคุม

TECHNIQUE FOR THE STATEMENT OF THE PROBLEM

[illegible]

Company Performance Summary										
Department	Quarterly Performance (Q1-Q4)									
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
North	120	130	140	150	160	170	180	190	200	210
South	110	120	130	140	150	160	170	180	190	200
East	130	140	150	160	170	180	190	200	210	220
West	140	150	160	170	180	190	200	210	220	230
Central	150	160	170	180	190	200	210	220	230	240
Global	160	170	180	190	200	210	220	230	240	250

— 1 —

References

Page 11 of 11



เอกสารไม่ควบคุม



Copyright Clearance Center
222 Rosewood Drive, Danvers, MA 01923
Tel: 978 750 8400
Fax: 978 750 4744
www.copyright.com

[illegible]

© 2006 Blackwell Publishing Ltd, *Journal of Internal Medicine* 260: 395–403

Journal of Interpersonal Violence 27(10)

Journal of Management Education 32(1)

D. Koller

เอกสารไม่ควบคุม

Copyright © 2004 John Wiley & Sons, Ltd.

Comment	Commentaire en français (FR)
Date	Date de l'observation (FR)
Notes	Notes de l'observation (FR)

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 105–112

Information:	12/20/2015	
Company:	IBM	
Unit:	IBM	Accounting
Account:	10000000	1000000000
DE:	1000000000	
Account Number:	10000000000000000000	
Additional Information:		
Property:	10000000	
Account:	10000000000000000000	
Account Name:	10000000000000000000	
Account:	10000000000000000000	
Account:	10000000000000000000	
Account:	10000000000000000000	

Edmond House #	Year	Architect	Location	Year of Birth
1	1888	Edmond House #1	Edmond, Oklahoma	1888
2	1889	Edmond House #2	Edmond, Oklahoma	1889
3	1890	Edmond House #3	Edmond, Oklahoma	1890
4	1891	Edmond House #4	Edmond, Oklahoma	1891
5	1892	Edmond House #5	Edmond, Oklahoma	1892
6	1893	Edmond House #6	Edmond, Oklahoma	1893
7	1894	Edmond House #7	Edmond, Oklahoma	1894
8	1895	Edmond House #8	Edmond, Oklahoma	1895
9	1896	Edmond House #9	Edmond, Oklahoma	1896
10	1897	Edmond House #10	Edmond, Oklahoma	1897
11	1898	Edmond House #11	Edmond, Oklahoma	1898
12	1899	Edmond House #12	Edmond, Oklahoma	1899
13	1900	Edmond House #13	Edmond, Oklahoma	1900
14	1901	Edmond House #14	Edmond, Oklahoma	1901
15	1902	Edmond House #15	Edmond, Oklahoma	1902
16	1903	Edmond House #16	Edmond, Oklahoma	1903
17	1904	Edmond House #17	Edmond, Oklahoma	1904
18	1905	Edmond House #18	Edmond, Oklahoma	1905
19	1906	Edmond House #19	Edmond, Oklahoma	1906
20	1907	Edmond House #20	Edmond, Oklahoma	1907
21	1908	Edmond House #21	Edmond, Oklahoma	1908
22	1909	Edmond House #22	Edmond, Oklahoma	1909
23	1910	Edmond House #23	Edmond, Oklahoma	1910
24	1911	Edmond House #24	Edmond, Oklahoma	1911
25	1912	Edmond House #25	Edmond, Oklahoma	1912
26	1913	Edmond House #26	Edmond, Oklahoma	1913
27	1914	Edmond House #27	Edmond, Oklahoma	1914
28	1915	Edmond House #28	Edmond, Oklahoma	1915
29	1916	Edmond House #29	Edmond, Oklahoma	1916
30	1917	Edmond House #30	Edmond, Oklahoma	1917
31	1918	Edmond House #31	Edmond, Oklahoma	1918
32	1919	Edmond House #32	Edmond, Oklahoma	1919
33	1920	Edmond House #33	Edmond, Oklahoma	1920
34	1921	Edmond House #34	Edmond, Oklahoma	1921
35	1922	Edmond House #35	Edmond, Oklahoma	1922
36	1923	Edmond House #36	Edmond, Oklahoma	1923
37	1924	Edmond House #37	Edmond, Oklahoma	1924
38	1925	Edmond House #38	Edmond, Oklahoma	1925
39	1926	Edmond House #39	Edmond, Oklahoma	1926
40	1927	Edmond House #40	Edmond, Oklahoma	1927
41	1928	Edmond House #41	Edmond, Oklahoma	1928
42	1929	Edmond House #42	Edmond, Oklahoma	1929
43	1930	Edmond House #43	Edmond, Oklahoma	1930
44	1931	Edmond House #44	Edmond, Oklahoma	1931
45	1932	Edmond House #45	Edmond, Oklahoma	1932
46	1933	Edmond House #46	Edmond, Oklahoma	1933
47	1934	Edmond House #47	Edmond, Oklahoma	1934
48	1935	Edmond House #48	Edmond, Oklahoma	1935
49	1936	Edmond House #49	Edmond, Oklahoma	1936
50	1937	Edmond House #50	Edmond, Oklahoma	1937
51	1938	Edmond House #51	Edmond, Oklahoma	1938
52	1939	Edmond House #52	Edmond, Oklahoma	1939
53	1940	Edmond House #53	Edmond, Oklahoma	1940
54	1941	Edmond House #54	Edmond, Oklahoma	1941
55	1942	Edmond House #55	Edmond, Oklahoma	1942
56	1943	Edmond House #56	Edmond, Oklahoma	1943
57	1944	Edmond House #57	Edmond, Oklahoma	1944
58	1945	Edmond House #58	Edmond, Oklahoma	1945
59	1946	Edmond House #59	Edmond, Oklahoma	1946
60	1947	Edmond House #60	Edmond, Oklahoma	1947
61	1948	Edmond House #61	Edmond, Oklahoma	1948
62	1949	Edmond House #62	Edmond, Oklahoma	1949
63	1950	Edmond House #63	Edmond, Oklahoma	1950
64	1951	Edmond House #64	Edmond, Oklahoma	1951
65	1952	Edmond House #65	Edmond, Oklahoma	1952
66	1953	Edmond House #66	Edmond, Oklahoma	1953
67	1954	Edmond House #67	Edmond, Oklahoma	1954
68	1955	Edmond House #68	Edmond, Oklahoma	1955
69	1956	Edmond House #69	Edmond, Oklahoma	1956
70	1957	Edmond House #70	Edmond, Oklahoma	1957
71	1958	Edmond House #71	Edmond, Oklahoma	1958
72	1959	Edmond House #72	Edmond, Oklahoma	1959
73	1960	Edmond House #73	Edmond, Oklahoma	1960
74	1961	Edmond House #74	Edmond, Oklahoma	1961
75	1962	Edmond House #75	Edmond, Oklahoma	1962
76	1963	Edmond House #76	Edmond, Oklahoma	1963
77	1964	Edmond House #77	Edmond, Oklahoma	1964
78	1965	Edmond House #78	Edmond, Oklahoma	1965
79	1966	Edmond House #79	Edmond, Oklahoma	1966
80	1967	Edmond House #80	Edmond, Oklahoma	1967

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 103–110

<p> Springer </p>	<p> Springer </p>
--	--

เอกสารไม่ควบคุม

Copyright © 2004 John Wiley & Sons, Ltd.

Source: *U.S. Census Bureau*.

Slagging agent	Minerals	CaO	SiO ₂	Fe ₂ O ₃	Al ₂ O ₃
(%)	(%)	(wt.%)	(wt.%)	(wt.%)	(wt.%)
0.0%	100.00	0.00	0.00	0.00	0.00
1.0%	99.99	0.01	0.01	0.01	0.01
2.0%	99.98	0.02	0.02	0.02	0.02
3.0%	99.97	0.03	0.03	0.03	0.03
4.0%	99.96	0.04	0.04	0.04	0.04
5.0%	99.95	0.05	0.05	0.05	0.05
6.0%	99.94	0.06	0.06	0.06	0.06
7.0%	99.93	0.07	0.07	0.07	0.07
8.0%	99.92	0.08	0.08	0.08	0.08
9.0%	99.91	0.09	0.09	0.09	0.09
10.0%	99.90	0.10	0.10	0.10	0.10

1. $Q_{\text{max}} = Q_{\text{ref}} \left(X \frac{P_{\text{ref}}}{P_{\text{ref}}} \right) \left(X \frac{T_{\text{ref}}}{T_{\text{ref}}} \right)$

เอกสารไม่ควบคุม



TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN)
CORPORATE SERVICES 3: EQUIPMENT CALIBRATION AND TESTING SERVICES
 534/4 PATTANAKARN ROAD SOI 18, SUANLUANG, SUANLUANG, BANGKOK 10250
 TEL. 0-2717-3000-24 FAX. 0-2719-9484



Certificate of Calibration

Certificate No. : 24P1370
Page : 1 of 2

Equipment :	Aneroid Barometer		
Manufacturer:	Barigo		
Model :	111MS		
Serial No.:	-		
ID No.:	UAE.EMA2.065/2552		
Condition As-Received:	Used Item		
Received Date:	05 April 2024		
Calibration Date:	22 April 2024		
Reference:	2404-0243WSC	Submitted by:	United Analyst and Engineering Consultant Co.,Ltd.
Ambient Temperature:	(23 ± 2) °C		
Relative Humidity:	(50 ± 15) %		81 Soi Udomsuk 41, Sukhumvit Road, Bangkok,
Atmospheric Pressure:	1007 mbar		Phrakhanong, Bangkok 10260
Procedure used:	The calibration was conducted by direct comparison method against Pressure Measuring Instruments Standard according to calibration procedure CP-P10, using " DKD-R 6-1 ; Calibration of Pressure Gauges " as a guidelines.		

Condition of this result of calibration

1.Reference standards instruments :

<u>Instrument</u>	<u>Model</u>	<u>Serial No.</u>	<u>Certificate No.</u>	<u>Due Date</u>
1) Standard Barometer	DP1142	1422505046	MP-0094-23	03 May 2024

2 This instrument was installed in vertical orientation and center of the dial was used as the reference level

3 This result of calibration was made on requested at the point specified by customer

4. Scale and conversion factor is 1 kPa = 7.50062 mmHg

5. This result of calibration instrument was in absolute pressure.

6. This instrument was used clean air as pressure media.

7. The certificate is valid only to the item calibrated on date and place of calibration.

8. This Certification is traceable to the International System of Unit maintained through:

-National Institute of Metrology Thailand (NIMT)

Calibrated by : Suksan Khankaew
Issue Date : 23 April 2024

Approved Signatory : _____

[] Phalinee Prabpaipal

[] Sura Suwannasri

[x] Attapol Panurach

เอกสารไม่ควบคุม



Cert.No.: 24P1370
Page: 2 of 2

Result of calibration:- Without adjustment
Function:- Absolute Pressure Measurement

Range: 720 mmHg to 770 mmHg
Scale Interval: 1 mmHg (The Fifth Estimate)

Increasing Pressure						
Applied Pressure (mmHg)	715.75	726.88	738.53	749.84	761.99	774.1
UUC* Indication (mmHg)	720.0	730.0	740.0	750.0	760.0	770.0
Error (mmHg)	4.25	3.12	1.47	0.16	-1.99	-4.19

Decreasing Pressure						
Applied Pressure (mmHg)	774.19	761.85	749.40	738.00	726.53	715.7
UUC* Indication (mmHg)	770.0	760.0	750.0	740.0	730.0	720.0
Error (mmHg)	-4.19	-1.85	0.60	2.00	3.47	4.25

* UUC = Unit Under Calibration

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence of approximately 95 %.

-00-

เอกสารไม่ควบคุม



บริษัท สธิพจน์ แอสโซซิเอตส์ จำกัด
SITHIPORN ASSOCIATES CO., LTD.
100/100 หมู่ 10 ถนนสุขุมวิท แขวงคลองเตย เขตคลองเตย กรุงเทพมหานคร 10110
โทร : 02-26108888 โทรสาร : 02-26108889
E-mail : sithiporn@siat.net



Certificate of Calibration

Calibration No. : 10000000000000000000
Page : 1 of 2

Equipment : Digital Thermometer
Manufacturer : Oyster
Model : 1000
Serial No. : 10000000000000000000
Serial No. : 10000000000000000000
Manufacturer's Name : Oyster
Manufacturer's Address : 100/100 หมู่ 10 ถนนสุขุมวิท แขวงคลองเตย เขตคลองเตย กรุงเทพมหานคร 10110
Manufacturer's Phone : 02-26108888
Manufacturer's Fax : 02-26108889
Manufacturer's E-mail : sithiporn@siat.net
Calibration Date : 10/10/2010
Calibration Due Date : 10/10/2011
Calibration Result : 100.000000000000000000
Calibration Uncertainty : ± 0.0010000000000000000000

Remarks : The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015. The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015. The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015.

Calibration Result of Calibration

Calibration No.	Serial No.	Calibration Date	Calibration Due Date	Calibration Result	Calibration Uncertainty
10000000000000000000	10000000000000000000	10/10/2010	10/10/2011	100.000000000000000000	± 0.0010000000000000000000

Calibrated by : SITHIPORN ASSOCIATES CO., LTD.
Approved by : SITHIPORN ASSOCIATES CO., LTD.

Signature :
Date : 10/10/2010

เอกสารไม่ควบคุม

10000000000000000000



Cal. No. 10000000000000000000
Page : 2 of 2

Result of Calibration

Calibration No.	Serial No.	Calibration Date	Calibration Due Date	Calibration Result	Calibration Uncertainty
10000000000000000000	10000000000000000000	10/10/2010	10/10/2011	100.000000000000000000	± 0.0010000000000000000000

Result of Calibration

Calibration No.	Serial No.	Calibration Date	Calibration Due Date	Calibration Result	Calibration Uncertainty
10000000000000000000	10000000000000000000	10/10/2010	10/10/2011	100.000000000000000000	± 0.0010000000000000000000

Remarks : The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015. The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015. The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015.

10000000000000000000

Signature :
Date : 10/10/2010

เอกสารไม่ควบคุม

10000000000000000000

SITHIPORN ASSOCIATES CO., LTD. CALIBRATION LABORATORY

100/100 หมู่ 10 ถนนสุขุมวิท แขวงคลองเตย เขตคลองเตย กรุงเทพมหานคร 10110
โทร : 02-26108888 โทรสาร : 02-26108889
E-mail : sithiporn@siat.net

SITHIPORN ASSOCIATES CO., LTD.



Cal. No. : 10000000000000000000
Page : 1 of 2

Calibration Certificate

Equipment : Digital Thermometer
Manufacturer : Oyster
Model : 1000
Serial No. : 10000000000000000000
Serial No. : 10000000000000000000

Calibration No. : 10000000000000000000

Calibration Result : 100.000000000000000000
Calibration Uncertainty : ± 0.0010000000000000000000
Calibration Date : 10/10/2010
Calibration Due Date : 10/10/2011

Remarks : The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015. The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015. The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015.

Calibration No. : 10000000000000000000
Calibration Date : 10/10/2010
Calibration Due Date : 10/10/2011

Calibrated by : SITHIPORN ASSOCIATES CO., LTD.

Approved by :
Signature :
Date : 10/10/2010

The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015. The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015. The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015.

เอกสารไม่ควบคุม

SITHIPORN ASSOCIATES CO., LTD. CALIBRATION LABORATORY

100/100 หมู่ 10 ถนนสุขุมวิท แขวงคลองเตย เขตคลองเตย กรุงเทพมหานคร 10110
โทร : 02-26108888 โทรสาร : 02-26108889
E-mail : sithiporn@siat.net

SITHIPORN ASSOCIATES CO., LTD.



Cal. No. : 10000000000000000000
Page : 1 of 2

Calibration Procedure

Calibration Method

The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015. The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015. The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015.

Calibration Result of Calibration

Calibration No.	Serial No.	Calibration Date	Calibration Due Date	Calibration Result	Calibration Uncertainty
10000000000000000000	10000000000000000000	10/10/2010	10/10/2011	100.000000000000000000	± 0.0010000000000000000000

Remarks : The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015. The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015. The calibration was performed in accordance with the requirements of the International Standard ISO 9001:2015.

เอกสารไม่ควบคุม

Form No. : SI-CAL-001
Rev. No. : 02/24/2024
Page : 1 of 1

Form No. : SI-CAL-001
Rev. No. : 02/24/2024
Page : 1 of 1

8. Force/Weight including the force range correct:

Range	Accepted Value	Observed Value	Deviation	Acceptance
100g	100.0	100.1	0.1g	100.1
1kg	1000	1000	0g	1000

9. Force range correct:

Item	Force Range	Accepted Value	Observed Value	Deviation	Acceptance
Spring	100g	100.0	100.1	0.1g	100.1
	1kg	1000	1000	0g	1000
	10kg	10000	10000	0g	10000
Load	100g	100.0	100.1	0.1g	100.1
	1kg	1000	1000	0g	1000
	10kg	10000	10000	0g	10000
Hanging	100g	100.0	100.1	0.1g	100.1
	1kg	1000	1000	0g	1000
	10kg	10000	10000	0g	10000

10. Peak/Force limit

Number of Load	Accepted Value	Observed Value	Deviation	Acceptance
10	100.0	100.1	0.1g	100.1
100	1000	1000	0g	1000
1000	10000	10000	0g	10000

Number of Load	Accepted Value	Observed Value	Deviation	Acceptance
10	100.0	100.1	0.1g	100.1
100	1000	1000	0g	1000
1000	10000	10000	0g	10000
10000	100000	100000	0g	100000

เอกสารไม่ควบคุม

11. Certificate/Book

Position	Signature	Date	Acceptance
Inspector	Inspector	10/10/2024	10/10/2024
100g	1000	1000	1000

12. High level weight

Position	Accepted Value	Observed Value	Deviation	Acceptance
100g	100.0	100.1	0.1g	100.1
1000	1000	1000	0g	1000

The inspection certificate is issued as a certificate of calibration and is valid for use for 12 months.

Date of Calibration Certificate

เอกสารไม่ควบคุม

Form No. : SI-CAL-001
Rev. No. : 02/24/2024
Page : 1 of 1

Form No. : SI-CAL-001
Rev. No. : 02/24/2024
Page : 1 of 1

Calibration Certificate

Equipment : SI-CAL-001
Manufacturer : KPC
Model : SI-CAL-001
Serial No. : SI-CAL-001
ID No. : SI-CAL-001

Condition of Field : 0000

Customer : SI-CAL-001
Address : SI-CAL-001
City : SI-CAL-001
Country : SI-CAL-001

Location : SI-CAL-001
Address : SI-CAL-001
City : SI-CAL-001
Country : SI-CAL-001

Inspected Date : SI-CAL-001
Calibration Date : SI-CAL-001
Next of Date : SI-CAL-001

Calibrated by : SI-CAL-001

Approved by : SI-CAL-001

This certificate is the property of the customer and is not to be used for any other purpose.

เอกสารไม่ควบคุม

Calibration Procedure : SI-CAL-001

Calibration Method :

The inspection was performed by the use of SI-CAL-001 (SI-CAL-001) for the use of SI-CAL-001.

For the use of SI-CAL-001, the inspection was performed by the use of SI-CAL-001.

Location of the field of calibration :

1. Calibration Method/Procedure :

Inspection	Model	Serial No.	Obs. No.	Obs. Date
Inspection	SI-CAL-001	SI-CAL-001	SI-CAL-001	SI-CAL-001
Inspection	SI-CAL-001	SI-CAL-001	SI-CAL-001	SI-CAL-001
Inspection	SI-CAL-001	SI-CAL-001	SI-CAL-001	SI-CAL-001
Inspection	SI-CAL-001	SI-CAL-001	SI-CAL-001	SI-CAL-001
Inspection	SI-CAL-001	SI-CAL-001	SI-CAL-001	SI-CAL-001
Inspection	SI-CAL-001	SI-CAL-001	SI-CAL-001	SI-CAL-001
Inspection	SI-CAL-001	SI-CAL-001	SI-CAL-001	SI-CAL-001

2. The inspection was performed by the use of SI-CAL-001 (SI-CAL-001) for the use of SI-CAL-001.

3. The inspection was performed by the use of SI-CAL-001 (SI-CAL-001) for the use of SI-CAL-001.

4. The inspection was performed by the use of SI-CAL-001 (SI-CAL-001) for the use of SI-CAL-001.

5. The inspection was performed by the use of SI-CAL-001 (SI-CAL-001) for the use of SI-CAL-001.

เอกสารไม่ควบคุม

8. Limit Uncertainty (including Normal Uncertainty)

Range	Expanded Value	Expanded Value	Expanded Value	Expanded Value
1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00

9. Expansion Coefficient

Item	Item No.	Item No.	Item No.	Item No.	Item No.
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

10. Risk of over load

Standard Value	Expanded Value	Expanded Value	Expanded Value	Expanded Value
1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00

Standard Value	Expanded Value	Expanded Value	Expanded Value	Expanded Value
1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00

เอกสารไม่ควบคุม

11. Output value

Expanded Value	Expanded Value	Expanded Value	Expanded Value
1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00

12. High level output

Item	Item No.	Item No.	Item No.	Item No.
1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00

The output uncertainty is based on the standard uncertainty of the measurement of the output value. The output uncertainty is based on the standard uncertainty of the measurement of the output value.

For Calibration Certificate

เอกสารไม่ควบคุม

Calibration Certificate

Equipment :
Manufacturer :
Model :
Serial No. :
ID No. :

Condition at Time :

Customer :
Address :
Contact :
Phone :
Fax :
Email :

Location :
Ambient Temperature :
Pressure :
Relative Humidity :

Expiry Date :
Calibration Date :
Date of Issue :

Calibrated by :
Signature :

Approved by :
Signature :
Name :

This certificate is valid for the duration of the calibration and the accuracy of the calibration is based on the calibration results.

เอกสารไม่ควบคุม

Calibration Procedure :
1.00

Calibration Method :

This certificate is issued by the laboratory based on the calibration results of the equipment. The calibration results are based on the calibration results of the equipment.

Location of the results of calibration :

1. General Information

Item	Item No.	Item No.	Item No.	Item No.
1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00

2. This certificate is valid for the duration of the calibration and the accuracy of the calibration is based on the calibration results.

3. This certificate is valid for the duration of the calibration and the accuracy of the calibration is based on the calibration results.

3.1. General Information

3.2. General Information

เอกสารไม่ควบคุม

Summary of Measurement Results

Parameter	Uncertainty (g/g)	Maximum possible uncertainty of measurement (g/g)
1. Absolute humidity	0.2	0.0
2. Relative humidity	0.2	0.0
3. Standard error of 14 frequency weighing		
100 g	0.2	0.0
1000 g	0.2	0.0
10000 g	0.2	0.0
4. Standard error of 14 frequency weighing		
100 g	0.2	0.0
1000 g	0.2	0.0
10000 g	0.2	0.0
5. Frequency and time weighing at 1 Hz	0.2	0.0
6. Frequency and time weighing at 1 Hz	0.2	0.0
7. Frequency and time weighing at 1 Hz	0.2	0.0
8. Frequency and time weighing at 1 Hz	0.2	0.0
9. Frequency and time weighing at 1 Hz	0.2	0.0
10. Frequency and time weighing at 1 Hz	0.2	0.0
11. Frequency and time weighing at 1 Hz	0.2	0.0
12. Frequency and time weighing at 1 Hz	0.2	0.0

Summary of Measurement Results

1. Absolute humidity

Reference Density (g/g)	Measured Value (g/g)	Standard Deviation (g/g)	Uncertainty (g/g)
1.000	0.999	0.0	0.0

2. Relative humidity

2.1 Measured Value

Measured Value (g/g)
0.0

2.2 The uncertainty of the measurement is expressed by standard error of mean

Frequency Weighing (g/g)	Measured value (g/g)
100 g	0.0
1000 g	0.0
10000 g	0.0

3. Standard error of 14 frequency weighing

3.1 Standard error of 14 frequency weighing at 1 Hz

Frequency (Hz)	Standard error of 14 frequency weighing at 1 Hz (g/g)
100	0.0
1000	0.0
10000	0.0

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

4. Standard error of 14 frequency weighing

4.1 Standard error of 14 frequency weighing at 1 Hz

Frequency (Hz)	Standard error of 14 frequency weighing at 1 Hz (g/g)
100	0.0
1000	0.0
10000	0.0

5. Frequency and time weighing at 1 Hz

5.1 Frequency weighing at 1 Hz

Frequency Weighing (g/g)	Measured Value (g/g)	Standard Deviation (g/g)	Uncertainty (g/g)
100 g	0.0	0.0	0.0
1000 g	0.0	0.0	0.0
10000 g	0.0	0.0	0.0

5.2 Time weighing at 1 Hz

Frequency Weighing (g/g)	Measured Value (g/g)	Standard Deviation (g/g)	Uncertainty (g/g)
100 g	0.0	0.0	0.0
1000 g	0.0	0.0	0.0
10000 g	0.0	0.0	0.0

6. Frequency and time weighing

Frequency Weighing (g/g)	Measured Value (g/g)	Standard Deviation (g/g)	Uncertainty (g/g)
100 g	0.0	0.0	0.0
1000 g	0.0	0.0	0.0
10000 g	0.0	0.0	0.0

เอกสารไม่ควบคุม

5. Frequency and time weighing at 1 Hz

Frequency Weighing (g/g)	Measured Value (g/g)	Standard Deviation (g/g)	Uncertainty (g/g)
100 g	0.0	0.0	0.0
1000 g	0.0	0.0	0.0
10000 g	0.0	0.0	0.0

เอกสารไม่ควบคุม

Form No. : SC-CAL-001
 Job No. : 1910000000000000
 Page : 1 of 3

Form No. : SC-CAL-001
 Job No. : 1910000000000000
 Page : 1 of 3

A. Load Capacity (including the scale component)

Item	Maximum Value	Measured Value	Difference	Acceptance
Load	100.0	100.0	0.0	100.0

B. Force (load capacity)

Item	Force Range (kg)	Force (kg)	Measured Value (kg)	Difference (kg)	Acceptance (kg)
Force	100.0	100.0	100.0	0.0	100.0

C. Peak & Load

Measuring points	Measured Value	Measured Value (kg)	Difference (kg)	Acceptance (kg)
100.0	100.0	100.0	0.0	100.0

Measuring points	Measured Value	Measured Value (kg)	Difference (kg)	Acceptance (kg)
100.0	100.0	100.0	0.0	100.0

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

Form No. : SC-CAL-001
 Page : 1 of 3

Form No. : SC-CAL-001
 Job No. : 1910000000000000
 Page : 1 of 3

Calibration Certificate

Equipment : **SC-CAL-001**
 Manufacturer : **SC-CAL**
 Model : **SC-CAL**
 Serial No. : **SC-CAL**
 Job No. : **SC-CAL**

Condition for Use : **SC-CAL**

Customer : **SC-CAL**
 Address : **SC-CAL**
 Contact : **SC-CAL**
 E-mail : **SC-CAL**
 Phone : **SC-CAL**

Location : **SC-CAL**

Applied Temperature : **SC-CAL**

Pressure : **SC-CAL**

Relative Humidity : **SC-CAL**

Related Data : **SC-CAL**

Calibration Date : **SC-CAL**

Date of Issue : **SC-CAL**

Calibrated by : **SC-CAL**

Approved by : **SC-CAL**

เอกสารไม่ควบคุม

Calibration Procedure :

Calibration Method :

This equipment was calibrated by the use of the SC-CAL-001 (Standard for measurement error SC-CAL).
 The SC-CAL-001 is a standard for measurement error of pressure, weighing with a pressure sensor and reference standard.

Calibration results of the equipment were checked by the use of the SC-CAL-001 (Standard for measurement error SC-CAL).

Calibration of the results of calibration :

Calibration results of the equipment :

Equipment	Model	Serial No.	Cal. No.	Exp. Date
Pressure Sensor	SC-CAL	SC-CAL-001	SC-CAL-001	SC-CAL-001
Pressure Sensor	SC-CAL	SC-CAL-001	SC-CAL-001	SC-CAL-001
Pressure Sensor	SC-CAL	SC-CAL-001	SC-CAL-001	SC-CAL-001
Pressure Sensor	SC-CAL	SC-CAL-001	SC-CAL-001	SC-CAL-001
Pressure Sensor	SC-CAL	SC-CAL-001	SC-CAL-001	SC-CAL-001
Pressure Sensor	SC-CAL	SC-CAL-001	SC-CAL-001	SC-CAL-001
Pressure Sensor	SC-CAL	SC-CAL-001	SC-CAL-001	SC-CAL-001
Pressure Sensor	SC-CAL	SC-CAL-001	SC-CAL-001	SC-CAL-001
Pressure Sensor	SC-CAL	SC-CAL-001	SC-CAL-001	SC-CAL-001
Pressure Sensor	SC-CAL	SC-CAL-001	SC-CAL-001	SC-CAL-001

1. This certificate is valid for the period of 12 months from the date of calibration. It is not valid for use after the expiration date.

2. This certificate is valid for the period of 12 months from the date of calibration. It is not valid for use after the expiration date.

3. This certificate is valid for the period of 12 months from the date of calibration. It is not valid for use after the expiration date.

4. This certificate is valid for the period of 12 months from the date of calibration. It is not valid for use after the expiration date.

เอกสารไม่ควบคุม

11/11/11
 11/11/11
 11/11/11

First Name	John A. Smith
Last Name	Smith, John A.
Age	35

8. Carefully following the well-recognized

Group	Pre-treatment Median (IQR)	At least 1 of Treatments (IQR)	Pre-treatment Median (IQR)	At least 1 of Treatments (IQR)
Mean	104.25	106.5	103.5	105.2

b. *Constitutive response*

Year	Time taken (minutes)	Cost	Substation	Demand	Generator	Losses
Month	1	2	3	4	5	6
Jan	120	4	100.0	100.0	100.0	1.0-1.0
	2	3	117.0	117.0	100	1.0-1.0
	300	300	100.0	100.0	100	1.0-1.0
Feb	2	4	100.0	100.0	100	1.0-1.0
	300	300	117.0	117.0	100	1.0-1.0
	100	4	100.0	100.0	100	1.0-1.0
Mar	2	4	100.0	100.0	100	1.0-1.0
	300	300	117.0	117.0	100	1.0-1.0
	100	4	100.0	100.0	100	1.0-1.0

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 103–110

Material (kg)	Acetylene (kg)	Flux (kg)	Gas (kg)	Welding (kg)
1000	1000	1000	1000	1000
2000	2000	2000	2000	2000
3000	3000	3000	3000	3000
4000	4000	4000	4000	4000
5000	5000	5000	5000	5000

Number of sites in category	Assigned value	Assigned value	Observed value	Assigned value
1-400	1.00	1.00	1.00	1.00
401-800	2.00	2.00	2.00	2.00
801-1200	3.00	3.00	3.00	3.00
1201-1600	4.00	4.00	4.00	4.00
1601-2000	5.00	5.00	5.00	5.00

24. Classified Information

Treatment (L 10)		Treatment	Response
Factor	Factor	Value	Level
weibull scale	weibull scale	(L 1)	(L 1)
104	402	2.2	0.5

0-8 / Multiple choice questions

Thinning Weighting	10.10 (loglik) 1.000	10.16 (loglik) 1.001	10.00 (loglik) 1.000	10.00 (loglik) 1.000
0.1 weight	10.10	10.16	9.98	9.97

The reported uncertainty is based on a linear uncertainty analysis (the average from $x = 0$ to $x = 1$ mm) from 1000 measurements, and is a conservative estimate of uncertainty (5%).

Received 24 October 2004; accepted 12 November 2004

Each No. 1000
Page 1 of 1

Calibration Certificate

[illegible]

Continued on inside back cover

[illegible]

Location:		
Ambient Temperature:	23.02 ± 0.5	°C
Pressure:	1.014 ± 0.02	atm
Relative Humidity:	77.96 ± 0.67	%

Received Date:	04 May 2009
Accepted Date:	06 Dec 2009
Issue of Journal:	05 2010

[illegible]

Approved by: 

This conference is a joint venture with the Georgia Institute of Technology, Atlanta, GA. For information, contact the Georgia Institute of Technology, 303 North Avenue NE, Atlanta, GA 30332, USA. Tel: (404) 875-5300. Fax: (404) 875-5301. E-mail: conferences@ga.in.tum.de

เอกสารไม่ควบคุม

Book No. 147149
 Author: YOUNG, R.
 Page: 248

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 111–118

Experimental Method

By e-mail: info@hugoboss.com

The main results of this paper are given by the derivation of new asymptotic formulae and also by the following

Continuation of table 1, results of 1988 survey.

1. *Journal of the American Medical Association*, 2000; 284: 2689-2695.

[illegible]

2. The control of human resources is a direct result of the development of the organization.

© Blackwell Publishers Ltd. 2001. All rights reserved. Printed in the United Kingdom

Source: *U.S. Census Bureau, Current Population Reports, 1990*

211. *Global Journal of Science and Technology* 11(1): 1-10 (2019)

เอกสารไม่ควบคุม

University of Massachusetts Lowell

Variable	Parameter (1981)	Model 4 as generated parameter of equation 4.2 (1981)
1. Overall weight loss	0.1	0.02
2. Fat percentage lost	0.1	0.04
3. Amount of reported fat burning weight loss		
1.0 lb	0.1	0.0
2.0 lb	0.1	0.0
3.0 lb	0.1	0.1
4. Amount of reported fat burning weight loss		
10 lb or more	0.1	0.0
15 lb or more	0.1	0.1
20 lb or more	0.1	0.0
5. Frequency of fat burning weight loss	0.1	0.1
6. Days per week	0.1	0.1
7. Amount of weight loss per day	0.1	0.1
8. Amount of weight loss per week	0.1	0.1
9. Amount of weight loss per month	0.1	0.1
10. Amount of weight loss per year	0.1	0.1
11. Amount of weight loss per 10 years	0.1	0.1
12. Amount of weight loss per 20 years	0.1	0.1
13. Amount of weight loss per 30 years	0.1	0.1
14. Amount of weight loss per 40 years	0.1	0.1
15. Amount of weight loss per 50 years	0.1	0.1
16. Amount of weight loss per 60 years	0.1	0.1
17. Amount of weight loss per 70 years	0.1	0.1
18. Amount of weight loss per 80 years	0.1	0.1
19. Amount of weight loss per 90 years	0.1	0.1
20. Amount of weight loss per 100 years	0.1	0.1

Methods of Attribution

5. Statistical analysis

[illegible]

2. Staff management issues

11. *Journal of the American Medical Association*, 277, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674,

Maximum Value
1.00
1.00

††† This is a corrigendum of the September 2010 issue of the journal. It is not a new article.

Property	Measured value
Wavelength	1.08 μ m
A- weight	17.1
C- weight	18.8
Flow	10.0

^b Significant differences (p < 0.05) are indicated.

Strong form (IPA) pronunciation is a form of English

Propagator (η)	Minimum error values: Propagator frequency, magnitude and MSE			
	Freq.	ω sample	co. weight	MSE
1.00	5.00	5.00	0.7	0.00
0.80	6.7	6.7	0.7	0.00
0.60	8.3	8.3	0.7	0.00, 0.00

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

© International Journal of Health Services, 2004, 34(1), 11-20

Weighting intervals: none (100% of cases)

Frequency Hz	Stiffness with constant frequency balanced supports and a DFR			
	Free	1 support	2 support	Asymmetric 3 support
50	0.0	0.0	0.0	-0.2
100	0.0	0.0	0.0	-0.2
150	0.0	0.0	0.0	-0.2
200	0.0	0.0	0.0	-0.2
250	0.0	0.0	0.0	-0.2
300	0.0	0.0	0.0	-0.2
350	0.0	0.0	0.0	-0.2
400	0.0	0.0	0.0	-0.2
450	0.0	0.0	0.0	-0.2
500	0.0	0.0	0.0	-0.2
550	0.0	0.0	0.0	-0.2
600	0.0	0.0	0.0	-0.2
650	0.0	0.0	0.0	-0.2
700	0.0	0.0	0.0	-0.2
750	0.0	0.0	0.0	-0.2
800	0.0	0.0	0.0	-0.2
850	0.0	0.0	0.0	-0.2
900	0.0	0.0	0.0	-0.2
950	0.0	0.0	0.0	-0.2
1000	0.0	0.0	0.0	-0.2

Journal of Management Education 32(1) 1-14

111. *Erigeron annuus* L. 1816

Feature	14-01-14	15-01-14	16-01-14	17-01-14
Temperature	10.0	10.0	10.0	10.0
Humidity	10.0	10.0	10.0	10.0
Wind speed	10.0	10.0	10.0	10.0
Wind direction	10.0	10.0	10.0	10.0
Pressure	10.0	10.0	10.0	10.0

[illegible]

Exposure to lightning	Incidence rate (per 1000)	Relative risk (RR)	95% CI	p-value
Yes	62.3	2.0	1.0-4.0	0.05
No	30.4	1.0	0.5-2.0	

A long-term solution

Parameter	2017	2018	2019	2020
1. 2017	100	100	100	100

เอกสารไม่ควบคุม

7. *Upprättelse* (1994) (The Establishment)

Applicant	Interview	Re-interview	Acceptance
100.0	100.0	100.0	100.0
99.9	99.9	99.9	99.9
99.8	99.8	99.8	99.8
99.7	99.7	99.7	99.7
99.6	99.6	99.6	99.6
99.5	99.5	99.5	99.5
99.4	99.4	99.4	99.4
99.3	99.3	99.3	99.3
99.2	99.2	99.2	99.2
99.1	99.1	99.1	99.1
99.0	99.0	99.0	99.0
98.9	98.9	98.9	98.9
98.8	98.8	98.8	98.8
98.7	98.7	98.7	98.7
98.6	98.6	98.6	98.6
98.5	98.5	98.5	98.5
98.4	98.4	98.4	98.4
98.3	98.3	98.3	98.3
98.2	98.2	98.2	98.2
98.1	98.1	98.1	98.1
98.0	98.0	98.0	98.0
97.9	97.9	97.9	97.9
97.8	97.8	97.8	97.8
97.7	97.7	97.7	97.7
97.6	97.6	97.6	97.6
97.5	97.5	97.5	97.5
97.4	97.4	97.4	97.4
97.3	97.3	97.3	97.3
97.2	97.2	97.2	97.2
97.1	97.1	97.1	97.1
97.0	97.0	97.0	97.0
96.9	96.9	96.9	96.9
96.8	96.8	96.8	96.8
96.7	96.7	96.7	96.7
96.6	96.6	96.6	96.6
96.5	96.5	96.5	96.5
96.4	96.4	96.4	96.4
96.3	96.3	96.3	96.3
96.2	96.2	96.2	96.2
96.1	96.1	96.1	96.1
96.0	96.0	96.0	96.0
95.9	95.9	95.9	95.9
95.8	95.8	95.8	95.8
95.7	95.7	95.7	95.7
95.6	95.6	95.6	95.6
95.5	95.5	95.5	95.5
95.4	95.4	95.4	95.4
95.3	95.3	95.3	95.3
95.2	95.2	95.2	95.2
95.1	95.1	95.1	95.1
95.0	95.0	95.0	95.0
94.9	94.9	94.9	94.9
94.8	94.8	94.8	94.8
94.7	94.7	94.7	94.7
94.6	94.6	94.6	94.6
94.5	94.5	94.5	94.5
94.4	94.4	94.4	94.4
94.3	94.3	94.3	94.3
94.2	94.2	94.2	94.2
94.1	94.1	94.1	94.1
94.0	94.0	94.0	94.0
93.9	93.9	93.9	93.9
93.8	93.8	93.8	93.8
93.7	93.7	93.7	93.7
93.6	93.6	93.6	93.6
93.5	93.5	93.5	93.5
93.4	93.4	93.4	93.4
93.3	93.3	93.3	93.3
93.2	93.2	93.2	93.2
93.1	93.1	93.1	93.1
93.0	93.0	93.0	93.0
92.9	92.9	92.9	92.9
92.8	92.8	92.8	92.8
92.7	92.7	92.7	92.7
92.6	92.6	92.6	92.6
92.5	92.5	92.5	92.5
92.4	92.4	92.4	92.4
92.3	92.3	92.3	92.3
92.2	92.2	92.2	92.2
92.1	92.1	92.1	92.1
92.0	92.0	92.0	92.0
91.9	91.9	91.9	91.9
91.8	91.8	91.8	91.8
91.7	91.7	91.7	91.7
91.6	91.6	91.6	91.6
91.5	91.5	91.5	91.5
91.4	91.4	91.4	91.4
91.3	91.3	91.3	91.3
91.2	91.2	91.2	91.2
91.1	91.1	91.1	91.1
91.0	91.0	91.0	91.0
90.9	90.9	90.9	90.9
90.8	90.8	90.8	90.8
90.7	90.7	90.7	90.7
90.6	90.6	90.6	90.6
90.5	90.5	90.5	90.5
90.4	90.4	90.4	90.4
90.3	90.3	90.3	90.3
90.2	90.2	90.2	90.2

เอกสารไม่ควบคุม

© 2000 Blackwell Science Ltd *Journal of Internal Medicine* 247: 395–402

	Univariate Odds Ratio	Univariate 95% CI	Adjusted Odds Ratio	Adjusted 95% CI
Age	1.02	1.01-1.03	1.01	1.00-1.02

H. J. van der Grinten et al.

[illegible]<http://dx.doi.org/10.1016/j.sbsbs.2012.05.001>

Variable (or test) by non-paired	Unpaired t-test (p)	Paired t-test, 1 group (p)	Unpaired t-test (p)	Paired t-test (p)
Transmittance	0.000	0.000	0.000	0.000
Time	0.000	0.000	0.000	0.000

parameter of α and β	estimated	95 percent	95 percent	95 percent
(1)	(2)	(3)	(4)	(5)
estimated	(1.0)	(1.0)	(1.0)	(1.0)
Intercept	224.6	224.6	224	224.6
Health insurance	11.0	10.9	10.7	10.8
Health insurance squared	-0.0001	-0.0001	-0.0001	-0.0001

เอกสารไม่ควบคุม



Discussion

Order	Completed by pro@businesspress.com.sg	Order No. 200802
Date	2008-02-26 14:00:00	Page No. 1/10000

© 2005 Blackwell Publishing Ltd *Journal of Internal Medicine* 258: 105–112

Manufacturer	Yale University	Manufacturer (City, St.)
Model no.	Y-1000	Manufacturer Model No. (Yr.)
Serial	Y-1000	Manufacturer S/N (Yr.)
Serial Range	None	Manufacturer Model
Lot		Manufacturer S/N
Barcode	Y-1000	Manufacturer S/N (Yr.)

Copyright © 2005 by John Wiley & Sons, Inc.

Preparation	20-30 min
Investment	David B. & Lisa M.
Investment Strategy	30-40% cash
Asset Allocation	20% cash, 80% stock
Asset Class Size	10-15% of net
Current Allocation	20% cash, 80% stock
Current Performance	20% cash, 80% stock

Component	Model	Year	Age	Age (Months)	Survival
Mathematics (2000)	2000	2000	100.00%	100.00%	100.00%
Science (2000)	2000	2000	100.00%	100.00%	100.00%
Language (2000)	2000	2000	100.00%	100.00%	100.00%
Other Subjects	2000	2000	100.00%	100.00%	100.00%
Total	2000	2000	100.00%	100.00%	100.00%

100

100%

1000



Cook No. : 101124007
 Job No. : 1010723-0000
 Page : 3 of 8

Journal of Management Inquiry 18(1)

Differences when $\beta = 1$		Scenario 1	Scenario 2
Baseline	Scenario	Value	Value
with full data	with full data	(100)	(100)
0.001	0.004	-0.1	0.03

10. Stage 10: 1000000

	W. 1000	M. 1000	W. 1000	M. 1000
W. 1000	1.000	1.000	1.000	1.000
M. 1000	1.000	1.000	1.000	1.000
W. 1000	1.000	1.000	1.000	1.000
M. 1000	1.000	1.000	1.000	1.000

For a more detailed description of the model, see the Appendix in the online version of this article.

Model for the Determination of the Value of

เอกสารไม่ควบคุม

1990-1991	1991-1992
1992-1993	1993-1994
1994-1995	1995-1996
1996-1997	1997-1998
1998-1999	1999-2000
2000-2001	2001-2002
2002-2003	2003-2004
2004-2005	2005-2006
2006-2007	2007-2008
2008-2009	2009-2010
2010-2011	2011-2012
2012-2013	2013-2014
2014-2015	2015-2016
2016-2017	2017-2018
2018-2019	2019-2020
2020-2021	2021-2022
2022-2023	2023-2024
2024-2025	2025-2026
2026-2027	2027-2028
2028-2029	2029-2030
2030-2031	2031-2032
2032-2033	2033-2034
2034-2035	2035-2036
2036-2037	2037-2038
2038-2039	2039-2040
2040-2041	2041-2042
2042-2043	2043-2044
2044-2045	2045-2046
2046-2047	2047-2048
2048-2049	2049-2050
2050-2051	2051-2052
2052-2053	2053-2054
2054-2055	2055-2056
2056-2057	2057-2058
2058-2059	2059-2060
2060-2061	2061-2062
2062-2063	2063-2064
2064-2065	2065-2066
2066-2067	2067-2068
2068-2069	2069-2070
2070-2071	2071-2072
2072-2073	2073-2074
2074-2075	2075-2076
2076-2077	2077-2078
2078-2079	2079-2080
2080-2081	2081-2082
2082-2083	2083-2084
2084-2085	2085-2086
2086-2087	2087-2088
2088-2089	2089-2090
2090-2091	2091-2092
2092-2093	2093-2094
2094-2095	2095-2096
2096-2097	2097-2098
2098-2099	2099-2100
2100-2101	2101-2102
2102-2103	2103-2104
2104-2105	2105-2106
2106-2107	2107-2108
2108-2109	2109-2110
2110-2111	2111-2112
2112-2113	2113-2114
2114-2115	2115-2116
2116-2117	2117-2118
2118-2119	2119-2120
2120-2121	2121-2122
2122-2123	2123-2124
2124-2125	2125-2126
2126-2127	2127-2128
2128-2129	2129-2130
2130-2131	2131-2132
2132-2133	2133-2134
2134-2135	2135-2136
2136-2137	2137-2138
2138-2139	2139-2140
2140-2141	2141-2142
2142-2143	2143-2144
2144-2145	2145-2146
2146-2147	2147-2148
2148-2149	2149-2150
2150-2151	2151-2152
2152-2153	2153-2154
2154-2155	2155-2156
2156-2157	2157-2158
2158-2159	2159-2160
2160-2161	2161-2162
2162-2163	2163-2164
2164-2165	2165-2166
2166-2167	2167-2168
2168-2169	2169-2170
2170-2171	2171-2172
2172-2173	2173-2174
2174-2175	2175-2176
2176-2177	2177-2178
2178-2179	2179-2180
2180-2181	2181-2182
2182-2183	2183-2184
2184-2185	2185-2186
2186-2187	2187-2188
2188-2189	2189-2190
2190-2191	2191-2192
2192-2193	2193-2194
2194-2195	2195-2196
2196-2197	2197-2198
2198-2199	2199-2200
2200-2201	2201-2202
2202-2203	2203-2204
2204-2205	2205-2206
2206-2207	2207-2208
2208-2209	2209-2210
2210-2211	

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 103–110

* *Journal of Management Education* 32(10):1133-1146, 2008. © 2008 Sage Publications

[illegible]

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 103–110

[illegible]

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

1990-1991	1991-1992
1992-1993	1993-1994
1994-1995	1995-1996
1996-1997	1997-1998
1998-1999	1999-2000
2000-2001	2001-2002
2002-2003	2003-2004
2004-2005	2005-2006
2006-2007	2007-2008
2008-2009	2009-2010
2010-2011	2011-2012
2012-2013	2013-2014
2014-2015	2015-2016
2016-2017	2017-2018
2018-2019	2019-2020
2020-2021	2021-2022
2022-2023	2023-2024
2024-2025	2025-2026
2026-2027	2027-2028
2028-2029	2029-2030
2030-2031	2031-2032
2032-2033	2033-2034
2034-2035	2035-2036
2036-2037	2037-2038
2038-2039	2039-2040
2040-2041	2041-2042
2042-2043	2043-2044
2044-2045	2045-2046
2046-2047	2047-2048
2048-2049	2049-2050
2050-2051	2051-2052
2052-2053	2053-2054
2054-2055	2055-2056
2056-2057	2057-2058
2058-2059	2059-2060
2060-2061	2061-2062
2062-2063	2063-2064
2064-2065	2065-2066
2066-2067	2067-2068
2068-2069	2069-2070
2070-2071	2071-2072
2072-2073	2073-2074
2074-2075	2075-2076
2076-2077	2077-2078
2078-2079	2079-2080
2080-2081	2081-2082
2082-2083	2083-2084
2084-2085	2085-2086
2086-2087	2087-2088
2088-2089	2089-2090
2090-2091	2091-2092
2092-2093	2093-2094
2094-2095	2095-2096
2096-2097	2097-2098
2098-2099	2099-2100
2100-2101	2101-2102
2102-2103	2103-2104
2104-2105	2105-2106
2106-2107	2107-2108
2108-2109	2109-2110
2110-2111	2111-2112
2112-2113	2113-2114
2114-2115	2115-2116
2116-2117	2117-2118
2118-2119	2119-2120
2120-2121	2121-2122
2122-2123	2123-2124
2124-2125	2125-2126
2126-2127	2127-2128
2128-2129	2129-2130
2130-2131	2131-2132
2132-2133	2133-2134
2134-2135	2135-2136
2136-2137	2137-2138
2138-2139	2139-2140
2140-2141	2141-2142
2142-2143	2143-2144
2144-2145	2145-2146
2146-2147	2147-2148
2148-2149	2149-2150
2150-2151	2151-2152
2152-2153	2153-2154
2154-2155	2155-2156
2156-2157	2157-2158
2158-2159	2159-2160
2160-2161	2161-2162
2162-2163	2163-2164
2164-2165	2165-2166
2166-2167	2167-2168
2168-2169	2169-2170
2170-2171	2171-2172
2172-2173	2173-2174
2174-2175	2175-2176
2176-2177	2177-2178
2178-2179	2179-2180
2180-2181	2181-2182
2182-2183	2183-2184
2184-2185	2185-2186
2186-2187	2187-2188
2188-2189	2189-2190
2190-2191	2191-2192
2192-2193	2193-2194
2194-2195	2195-2196
2196-2197	2197-2198
2198-2199	2199-2200
2200-2201	2201-2202
2202-2203	2203-2204
2204-2205	2205-2206
2206-2207	2207-2208
2208-2209	2209-2210
2210-2211	

© Springer-Verlag GmbH 2008

* <http://www.elsevier.com/locate/jmb>

Country/Region	Policy		Regulation/Implementation		Key Policy Issues	Comments
	Policy	Regulation/Implementation	Policy	Regulation/Implementation		
USA	1990-1995	1990-1995	1990-1995	1990-1995	1990-1995	1990-1995
Canada	1990-1995	1990-1995	1990-1995	1990-1995	1990-1995	1990-1995
UK	1990-1995	1990-1995	1990-1995	1990-1995	1990-1995	1990-1995

© 2006 The Authors
Journal compilation © 2006 Blackwell Publishing Ltd

Year	Age	Sex	Height (cm)	Weight (kg)	Body Mass Index (kg/m ²)	Waist Circumference (cm)	Waist-Hip Ratio
2000	20	M	170	65	22.0	85	0.90
2001	21	F	160	55	21.5	75	0.85
2002	22	M	175	70	22.2	90	0.92
2003	23	F	165	60	21.8	80	0.88
2004	24	M	180	75	22.5	95	0.94
2005	25	F	170	65	22.0	85	0.90

© International Journal of Nursing Studies 2005

Activity	Day	Expense Description	Amount	Category	Balance
Starting Balance	01/01				0.00
1. Grocery Store	01/02	10.00	10.00	Food	10.00
2. Gas Station	01/03	5.00	5.00	Transportation	5.00
3. Restaurant	01/04	15.00	15.00	Food	15.00
4. Pharmacy	01/05	8.00	8.00	Medical	8.00
5. Hardware Store	01/06	12.00	12.00	Home Improvement	12.00
6. Dry Cleaning	01/07	3.00	3.00	Personal Care	3.00
7. Post Office	01/08	2.00	2.00	Communication	2.00
8. Bank of America	01/09	1.00	1.00	Financial	1.00
9. Target	01/10	20.00	20.00	General	20.00
10. Walmart	01/11	18.00	18.00	General	18.00
11. Home Depot	01/12	25.00	25.00	Home Improvement	25.00
12. Costco	01/13	30.00	30.00	General	30.00
13. Kroger	01/14	15.00	15.00	Food	15.00
14. Safeway	01/15	12.00	12.00	Food	12.00
15. Publix	01/16	10.00	10.00	Food	10.00
16. Aldi	01/17	8.00	8.00	Food	8.00
17. H-E-B	01/18	15.00	15.00	Food	15.00
18. Meijer	01/19	12.00	12.00	Food	12.00
19. Food City	01/20	10.00	10.00	Food	10.00
20. Super Center	01/21	20.00	20.00	General	20.00
21. Home Goods	01/22	15.00	15.00	Home Improvement	15.00
22. Bed Bath & Beyond	01/23	10.00	10.00	Home Improvement	10.00
23. Target	01/24	18.00	18.00	General	18.00
24. Walmart	01/25	15.00	15.00	General	15.00
25. Home Depot	01/26	20.00	20.00	Home Improvement	20.00
26. Costco	01/27	25.00	25.00	General	25.00
27. Kroger	01/28	12.00	12.00	Food	12.00
28. Safeway	01/29	10.00	10.00	Food	10.00
29. Publix	01/30	8.00	8.00	Food	8.00
30. Aldi	01/31	15.00	15.00	Food	15.00
31. H-E-B	02/01	12.00	12.00	Food	12.00
32. Meijer	02/02	10.00	10.00	Food	10.00
33. Food City	02/03	20.00	20.00	General	20.00
34. Super Center	02/04	15.00	15.00	Home Improvement	15.00
35. Home Goods	02/05	10.00	10.00	Home Improvement	10.00
36. Bed Bath & Beyond	02/06	18.00	18.00	General	18.00
37. Target	02/07	15.00	15.00	General	15.00
38. Walmart	02/08	20.00	20.00	Home Improvement	20.00
39. Home Depot	02/09	25.00	25.00	General	25.00
40. Costco	02/10	12.00	12.00	Food	12.00
41. Kroger	02/11	10.00	10.00	Food	10.00
42. Safeway	02/12	8.00	8.00	Food	8.00
43. Publix	02/13	15.00	15.00	Food	15.00
44. Aldi	02/14	12.00	12.00	Food	12.00
45. H-E-B	02/15	10.00	10.00	Food	10.00
46. Meijer	02/16	20.00	20.00	General	20.00
47. Food City	02/17	15.00	15.00	Home Improvement	15.00
48. Super Center	02/18	10.00	10.00	Home Improvement	10.00
49. Home Goods	02/19	18.00	18.00	General	18.00
50. Target	02/20	15.00	15.00	General	15.00
51. Walmart	02/21	20.00	20.00	Home Improvement	20.00
52. Home Depot	02/22	25.00	25.00	General	25.00
53. Costco	02/23	12.00	12.00	Food	12.00
54. Kroger	02/24	10.00	10.00	Food	10.00
55. Safeway	02/25	8.00	8.00	Food	8.00
56. Publix	02/26	15.00	15.00	Food	15.00
57. Aldi	02/27	12.00	12.00	Food	12.00
58. H-E-B	02/28	10.00	10.00	Food	10.00

© 2004 Blackwell Publishing Ltd
Journal of Internal Medicine 255: 105–112

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

© 2000 Blackwell Science Ltd *Journal of Internal Medicine* 247: 105–112

Year	1990-1991	1991-1992
Jan.	1990-1991	1991-1992
Mar.	1990-1991	1991-1992

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 105–112

[illegible]

Downloaded from <http://ajphaphapublications.sagepub.com> at 11:01 11 November 2014

Company	Alcoa
Country	United States
Business Segment	Aluminum
NAICS Code	332410
Company Type	Manufacturer
Company Website	www.alcoa.com

[illegible]

100

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

Investment	100
Return	10
Dividend	10
Capital Gain	10

5. <http://www.pearsoned.com>

Variable	Regression Coefficients					F	p-value	R-squared
	Intercept	Age	Gender	Education	Income			
Dependent Variable	10.5	0.2	0.1	0.3	0.4	12.3	0.001	0.75
Adjusted R-squared	0.72	0.01	0.01	0.02	0.03	11.8	0.002	0.73

2. *Staphylococcus aureus*

[illegible]

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

Journal of Management Education 32(10)

[illegible]

Pre-surgery		Post-surgery												
	Age	Sex	Weight	Height	Weight	Height	Weight	Height	Weight	Height	Weight	Height	Weight	Height
Patient 1	20	M	70	175	75	178	80	180	85	182	90	185	95	188
	25	F	60	160	65	162	70	165	75	168	80	170	85	172
	30	M	80	180	85	182	90	185	95	188	100	190	105	192
Patient 2	22	F	55	155	60	158	65	160	70	162	75	165	80	168
	28	M	70	170	75	172	80	175	85	178	90	180	95	182
	35	F	65	165	70	168	75	170	80	172	85	175	90	178
Patient 3	24	M	75	175	80	178	85	180	90	182	95	185	100	188
	30	F	60	160	65	162	70	165	75	168	80	170	85	172
	36	M	80	180	85	182	90	185	95	188	100	190	105	192
Patient 4	26	F	50	150	55	152	60	155	65	158	70	160	75	162
	32	M	70	170	75	172	80	175	85	178	90	180	95	182
	38	F	60	160	65	162	70	165	75	168	80	170	85	172
Patient 5	28	M	85	185	90	188	95	190	100	192	105	195	110	198
	34	F	65	165	70	168	75	170	80	172	85	175	90	178
	40	M	90	190	95	192	100	195	105	198	110	200	115	202
Patient 6	30	F	55	155	60	158	65	160	70	162	75	165	80	168
	36	M	75	175	80	178	85	180	90	182	95	185	100	188
	42	F	60	160	65	162	70	165	75	168	80	170	85	172
Patient 7	32	M	90	190	95	192	100	195	105	198	110	200	115	202
	38	F	65	165	70	168	75	170	80	172	85	175	90	178
	44	M	100	200	105	202	110	205	115	208	120	210	125	212
Patient 8	34	F	60	160	65	162	70	165	75	168	80	170	85	172
	40	M	80	180	85	182	90	185	95	188	100	190	105	192
	46	F	70	170	75	172	80	175	85	178	90	180	95	182
Patient 9	36	M	95	195	100	198	105	200	110	202	115	205	120	208
	42	F	70	170	75	172	80	175	85	178	90	180	95	182
	48	M	105	205	110	208	115	210	120	212	125	215	130	218
Patient 10	38	F	65	165	70	168	75	170	80	172	85	175	90	178
	44	M	85	185	90	188	95	190	100	192	105	195	110	198
	50	F	75	175	80	178	85	180	90	182	95	185	100	188
Patient 11	40	M	100	200	105	202	110	205	115	208	120	210	125	212

© 2000 Blackwell Science Ltd *Journal of Internal Medicine* 247: 391–398

2012 Group	2012					2011-2012	2010-2011	2009-2010	2008-2009	2007-2008	2006-2007	2005-2006	2004-2005	2003-2004	2002-2003	2001-2002	2000-2001	1999-2000	1998-1999	1997-1998	1996-1997	1995-1996	1994-1995	1993-1994	1992-1993	1991-1992	1990-1991	1989-1990	1988-1989	1987-1988	1986-1987	1985-1986	1984-1985	1983-1984	1982-1983	1981-1982	1980-1981	1979-1980	1978-1979	1977-1978	1976-1977	1975-1976	1974-1975	1973-1974	1972-1973	1971-1972	1970-1971	1969-1970	1968-1969	1967-1968	1966-1967	1965-1966	1964-1965	1963-1964	1962-1963	1961-1962	1960-1961	1959-1960	1958-1959	1957-1958	1956-1957	1955-1956	1954-1955	1953-1954	1952-1953	1951-1952	1950-1951	1949-1950	1948-1949	1947-1948	1946-1947	1945-1946	1944-1945	1943-1944	1942-1943	1941-1942	1940-1941	1939-1940	1938-1939	1937-1938	1936-1937	1935-1936	1934-1935	1933-1934	1932-1933	1931-1932	1930-1931	1929-1930	1928-1929	1927-1928	1926-1927	1925-1926	1924-1925	1923-1924	1922-1923	1921-1922	1920-1921	1919-1920	1918-1919	1917-1918	1916-1917	1915-1916	1914-1915	1913-1914	1912-1913	1911-1912	1910-1911	1909-1910	1908-1909	1907-1908	1906-1907	1905-1906	1904-1905	1903-1904	1902-1903	1901-1902	1900-1901	1899-1900	1898-1899	1897-1898	1896-1897	1895-1896	1894-1895	1893-1894	1892-1893	1891-1892	1890-1891	1889-1890	1888-1889	1887-1888	1886-1887	1885-1886	1884-1885	1883-1884	1882-1883	1881-1882	1880-1881	1879-1880	1878-1879	1877-1878	1876-1877	1875-1876	1874-1875	1873-1874	1872-1873	1871-1872	1870-1871	1869-1870	1868-1869	1867-1868	1866-1867	1865-1866	1864-1865	1863-1864	1862-1863	1861-1862	1860-1861	1859-1860	1858-1859	1857-1858	1856-1857	1855-1856	1854-1855	1853-1854	1852-1853	1851-1852	1850-1851	1849-1850	1848-1849	1847-1848	1846-1847	1845-1846	1844-1845	1843-1844	1842-1843	1841-1842	1840-1841	1839-1840	1838-1839	1837-1838	1836-1837	1835-1836	1834-1835	1833-1834	1832-1833	1831-1832	1830-1831	1829-1830	1828-1829	1827-1828	1826-1827	1825-1826	1824-1825	1823-1824	1822-1823	1821-1822	1820-1821	1819-1820	1818-1819	1817-1818	1816-1817	1815-1816	1814-1815	1813-1814	1812-1813	1811-1812	1810-1811	1809-1810	1808-1809	1807-1808	1806-1807	1805-1806	1804-1805	1803-1804	1802-1803	1801-1802	1800-1801	1799-1800	1798-1799	1797-1798	1796-1797	1795-1796	1794-1795	1793-1794	1792-1793	1791-1792	1790-1791	1789-1790	1788-1789	1787-1788	1786-1787	1785-1786	1784-1785	1783-1784	1782-1783	1781-1782	1780-1781	1779-1780	1778-1779	1777-1778	1776-1777	1775-1776	1774-1775	1773-1774	1772-1773	1771-1772	1770-1771	1769-1770	1768-1769	1767-1768	1766-1767	1765-1766	1764-1765	1763-1764	1762-1763	1761-1762	1760-1761	1759-1760	1758-1759	1757-1758	1756-1757	1755-1756	1754-1755	1753-1754	1752-1753	1751-1752	1750-1751	1749-1750	1748-1749	1747-1748	1746-1747	1745-1746	1744-1745	1743-1744	1742-1743	1741-1742	1740-1741	1739-1740	1738-1739	1737-1738	1736-1737	1735-1736	1734-1735	1733-1734	1732-1733	1731-1732	1730-1731	1729-1730	1728-1729	1727-1728	1726-1727	1725-1726	1724-1725	1723-1724	1722-1723	1721-1722	1720-1721	1719-1720	1718-1719	1717-1718	1716-1717	1715-1716	1714-1715	1713-1714	1712-1713	1711-1712	1710-1711	1709-1710	1708-1709	1707-1708	1706-1707	1705-1706	1704-1705	1703-1704	1702-1703	1701-1702	1700-1701	1699-1700	1698-1699	1697-1698	1696-1697	1695-1696	1694-1695	1693-1694	1692-1693	1691-1692	1690-1691	1689-1690	1688-1689	1687-1688	1686-1687	1685-1686	1684-1685	1683-1684	1682-1683	1681-1682	1680-1681	1679-1680	1678-1679	1677-1678	1676-1677	1675-1676	1674-1675	1673-1674	1672-1673	1671-1672	1670-1671	1669-1670	1668-1669	1667-1668	1666-1667	1665-1666	1664-1665	1663-1664	1662-1663	1661-1662	1660-1661	1659-1660	1658-1659	1657-1658	1656-1657	1655-1656	1654-1655	1653-1654	1652-1653	1651-1652	1650-1651	1649-1650	1648-1649	1647-1648	1646-1647	1645-1646	1644-1645	1643-1644	1642-1643	1641-1642	1640-1641	1639-1640	1638-1639	1637-1638	1636-1637	1635-1636	1634-1635	1633-1634	1632-1633	1631-1632	1630-1631	1629-1630	1628-1629	1627-1628	1626-1627	1625-1626	1624-1625	1623-1624	1622-1623	1621-1622	1620-1621	1619-1620	1618-1619	1617-1618	1616-1617	1615-1616	1614-1615	1613-1614	1612-1613	1611-1612	1610-1611	1609-1610	1608-1609	1607-1608	1606-1607	1605-1606	1604-1605	1603-1604	1602-1603	1601-1602	1600-1601	1599-1600	1598-1599	1597-1598	1596-1597	1595-1596	1594-1595	1593-1594	1592-1593	1591-1592	1590-1591	1589-1590	1588-1589	1587-1588	1586-1587	1585-1586	1584-1585	1583-1584	1582-1583	1581-1582	1580-1581	1579-1580	1578-1579	1577-1578	1576-1577	1575-1576	1574-1575	1573-1574	1572-1573	1571-1572	1570-1571	1569-1570	1568-1569	1567-1568	1566-1567	1565-1566	1564-1565	1563-1564	1562-1563	1561-1562	1560-1561	1559-1560	1558-1559	1557-1558	1556-1557	1555-1556	1554-1555	1553-1554	1552-1553	1551-1552	1550-1551	1549-1550	1548-1549	1547-1548	1546-1547	1545-1546	1544-1545	1543-1544	1542-1543	1541-1542	1540-1541	1539-1540	1538-1539	1537-1538	1536-1537	1535-1536	1534-1535	1533-1534	1532-1533	1531-1532	1530-1531	1529-1530	1528-1529	1527-1528	1526-1527	1525-1526	1524-1525	1523-1524	1522-1523	1521-1522	1520-1521	1519-1520	1518-1519	1517-1518	1516-1517	1515-1516	1514-1515	1513-1514	1512-1513	1511-1512	1510-1511	1509-1510	1508-1509	1507-1508	1506-1507	1505-1506	1504-1505	1503-1504	1502-1503	1501-1502	1500-1501	1499-1500	1498-1499	1497-1498	1496-1497	1495-1496	1494-1495	1493-1494	1492-1493	1491-1492	1490-1491	1489-1490	1488-1489	1487-1488	1486-1487	1485-1486	1484-1485	1483-1484	1482-1483	1481-1482	1480-1481	1479-1480	1478-1479	1477-1478	1476-1477	1475-1476	1474-1475	1473-1474	1472-1473	1471-1472	1470-1471	1469-1470	1468-1469	1467-1468	1466-1467	1465-1466	1464-1465	1463-1464	1462-1463	1461-1462	1460-1461	1459-1460	1458-1459	1457-1458	1456-1457	1455-1456	1454-1455	1453-1454	1452-1453	1451-1452	1450-1451	1449-1450	1448-1449	1447-1448	1446-1447	1445-1446	1444-1445	1443-1444	1442-1443	1441-1442	1440-1441	1439-1440	1438-1439	1437-1438	1436-1437	1435-1436	1434-1435	1433-1434	1432-1433	1431-1432	1430-1431	1429-1430	1428-1429	1427-1428	1426-1427	1425-1426	1424-1425	1423-1424	1422-1423	1421-1422	1420-1421	1419-1420	1418-1419	1417-1418	1416-1417	1415-1416	1414-1415	1413-1414	1412-1413	1411-1412	1410-1411	1409-1410	1408-1409	1407-1408	1406-1407	1405-1406	1404-1405	1403-1404	1402-1403	1401-1402	1400-1401	1399-1400	1398-1399	1397-1398	1396-1397	1395-1396	1394-1395	1393-1394	1392-1393	1391-1392	1390-1391	1389-1390	1388-1389	1387-1388	1386-1387	1385-1386	1384-1385	1383-1384	1382-1383	1381-1382	1380-1381	1379-1380	1378-1379	1377-1378	1376-1377	1375-1376	1374-1375	1373-1374	1372-1373	1371-1372	1370-1371	1369-1370	1368-1369	1367-1368	1366-1367	1365-1366	1364-1365	1363-1364	1362-1363	1361-1362	1360-1361	1359-1360	1358-1359	1357-1358	1356-1357	1355-1356	1354-1355	1353-1354	1352-1353	1351-1352	1350-1351	1349-1350	1348-1349	1347-1348	1346-1347	1345-1346	1344-1345	1343-1344	1342-1343	1341-1342	1340-1341	1339-1340	1338-1339	1337-1338	1336-1337	1335-1336	1334-1335	1333-1334	1332-1333	1331-1332	1330-1331	1329-1330	1328-1329	1327-1328	1326-1327	1325-1326	1324-1325	1323-1324	1322-1323	1321-1322	1320-1321	1319-1320	1318-1319	1317-1318	1316-1317	1315-1316	1314-1315	1313-1314	1312-1313	1311-1312	1310-1311	1309-1310	1308-1309	1307-1308	1306-1307	1305-1306	1304-1305	1303-1304	1302-1303	1301-1302	1300-1301	1299-1300	1298-1299	1297-1298	1296-1297	1295-1296	1294-1295	1293-1294	1292-1293	1291-1292	1290-1291	1289-1290	1288-1289	1287-1288	1286-1287	1285-128
------------	------	--	--	--	--	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	----------

เอกสารไม่ควบคุม

© 2000 Blackwell Science Ltd *Journal of Internal Medicine* 247: 105–112

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 255–266

2002 (Actual)	2003		2004 (Estimate)			2005 (Estimate)	2006 (Estimate)	2007 (Estimate)
2002 (Actual)	2003	2004	2005	2006	2007	2008	2009	2010
2002 (Actual)	2003	2004	2005	2006	2007	2008	2009	2010
2002 (Actual)	2003	2004	2005	2006	2007	2008	2009	2010

© 2000 Blackwell Science Ltd *Journal of Internal Medicine* 247: 399–406

2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033	2033-2034	2034-2035	2035-2036	2036-2037	2037-2038	2038-2039	2039-2040	2040-2041	2041-2042	2042-2043	2043-2044	2044-2045	2045-2046	2046-2047	2047-2048	2048-2049	2049-2050	2050-2051	2051-2052	2052-2053	2053-2054	2054-2055	2055-2056	2056-2057	2057-2058	2058-2059	2059-2060	2060-2061	2061-2062	2062-2063	2063-2064	2064-2065	2065-2066	2066-2067	2067-2068	2068-2069	2069-2070	2070-2071	2071-2072	2072-2073	2073-2074	2074-2075	2075-2076	2076-2077	2077-2078	2078-2079	2079-2080	2080-2081	2081-2082	2082-2083	2083-2084	2084-2085	2085-2086	2086-2087	2087-2088	2088-2089	2089-2090	2090-2091	2091-2092	2092-2093	2093-2094	2094-2095	2095-2096	2096-2097	2097-2098	2098-2099	2099-2100	2100-2101	2101-2102	2102-2103	2103-2104	2104-2105	2105-2106	2106-2107	2107-2108	2108-2109	2109-2110	2110-2111	2111-2112	2112-2113	2113-2114	2114-2115	2115-2116	2116-2117	2117-2118	2118-2119	2119-2120	2120-2121	2121-2122	2122-2123	2123-2124	2124-2125	2125-2126	2126-2127	2127-2128	2128-2129	2129-2130	2130-2131	2131-2132	2132-2133	2133-2134	2134-2135	2135-2136	2136-2137	2137-2138	2138-2139	2139-2140	2140-2141	2141-2142	2142-2143	2143-2144	2144-2145	2145-2146	2146-2147	2147-2148	2148-2149	2149-2150	2150-2151	2151-2152	2152-2153	2153-2154	2154-2155	2155-2156	2156-2157	2157-2158	2158-2159	2159-2160	2160-2161	2161-2162	2162-2163	2163-2164	2164-2165	2165-2166	2166-2167	2167-2168	2168-2169	2169-2170	2170-2171	2171-2172	2172-2173	2173-2174	2174-2175	2175-2176	2176-2177	2177-2178	2178-2179	2179-2180	2180-2181	2181-2182	2182-2183	2183-2184	2184-2185	2185-2186	2186-2187	2187-2188	2188-2189	2189-2190	2190-2191	2191-2192	2192-2193	2193-2194	2194-2195	2195-2196	2196-2197	2197-2198	2198-2199	2199-2200	2200-2201	2201-2202	2202-2203	2203-2204	2204-2205	2205-2206	2206-2207	2207-2208	2208-2209	2209-2210	2210-2211	2211-2212	2212-2213	2213-2214	2214-2215	2215-2216	2216-2217	2217-2218	2218-2219	2219-2220	2220-2221	2221-2222	2222-2223	2223-2224	2224-2225	2225-2226	2226-2227	2227-2228	2228-2229	2229-2230	2230-2231	2231-2232	2232-2233	2233-2234	2234-2235	2235-2236	2236-2237	2237-2238	2238-2239	2239-2240	2240-2241	2241-2242	2242-2243	2243-2244	2244-2245	2245-2246	2246-2247	2247-2248	2248-2249	2249-2250	2250-2251	2251-2252	2252-2253	2253-2254	2254-2255	2255-2256	2256-2257	2257-2258	2258-2259	2259-2260	2260-2261	2261-2262	2262-2263	2263-2264	2264-2265	2265-2266	2266-2267	2267-2268	2268-2269	2269-2270	2270-2271	2271-2272	2272-2273	2273-2274	2274-2275	2275-2276	2276-2277	2277-2278	2278-2279	2279-2280	2280-2281	2281-2282	22
-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	----

¹ *Journal of Management Studies*, 1997, 34, 103-117.

Test Name	Unit	Target Score (100%)	Score	Percentage	Comments
1. Written Test	100	85	85	85%	Good
2. Practical Test	100	90	90	90%	Good
3. Interview	100	95	95	95%	Good
4. Reference Check	100	95	95	95%	Good

เอกสารไม่ควบคุม

Copyright © 2004 John Wiley & Sons, Ltd.

Figure 1 shows a 1D lattice with sites labeled 1 through 20. The lattice is divided into three regions: 'Left lead' (sites 1-10), 'Central region' (sites 11-14), and 'Right lead' (sites 15-20). The central region contains a defect at site 12. The diagram illustrates the coupling between the central region and the leads.

เอกสารไม่ควบคุม

1000000

Abstract

Parameter	Value	Parameter	Value
Population size	1000	Maximum iterations	1000
Selection	roulette wheel	Stopping criteria	1000 iterations
Crossover	one-point	Convergence	1000 iterations
Mutation	uniform	Convergence	1000 iterations
Elite preservation	yes	Convergence	1000 iterations
elitism	1	Convergence	1000 iterations

<http://www.elsevier.com/locate/jmb>

Prénom(s) :
Nom :
Adresse postale :
Mail :
Classe :
Adresse e-mail :
Coordonnées téléphoniques :

[illegible][illegible]

Author's address: Department of Mathematics, University of California, San Diego, La Jolla, CA 92037, USA.
E-mail: shashank@ucsd.edu

เอกสารไม่ควบคุม

แบบฟอร์มใบรับรองการนำเข้า

ใบรับรองการนำเข้าเป็นเอกสารที่ออกให้สำหรับผู้ประกอบการที่นำเข้าสินค้าจากต่างประเทศ
 เพื่อใช้ในการขอสิทธิประโยชน์ทางภาษีและเพื่อใช้ในการขอคืนภาษีมูลค่าเพิ่ม
 ใบรับรองการนำเข้ามีอายุ 3 เดือน นับจากวันที่ออกให้



เอกสารไม่ควบคุม

ใบรับรองการนำเข้า

ชื่อ: บริษัท ไทยพาณิชย์ จำกัด
 ที่อยู่: 123 ถนนสุขุมวิท กรุงเทพมหานคร 10110
 วันที่: 15/01/2564

ข้อมูลการนำเข้า

ชื่อสินค้า: ข้าวหอมมะลิ
 จำนวน: 100 ตัน
 ราคา: 10 ล้านบาท
 วันที่: 15/01/2564

ข้อมูลการส่งออก

ชื่อสินค้า: ข้าวหอมมะลิ
 จำนวน: 100 ตัน
 ราคา: 10 ล้านบาท
 วันที่: 15/01/2564

ใบรับรองการนำเข้าเป็นเอกสารที่ออกให้สำหรับผู้ประกอบการที่นำเข้าสินค้าจากต่างประเทศ
 เพื่อใช้ในการขอสิทธิประโยชน์ทางภาษีและเพื่อใช้ในการขอคืนภาษีมูลค่าเพิ่ม

วันที่: 15/01/2564
 สถานที่: กรุงเทพมหานคร

เอกสารไม่ควบคุม

แบบฟอร์มใบรับรองการนำเข้า

ชื่อ: บริษัท ไทยพาณิชย์ จำกัด
 ที่อยู่: 123 ถนนสุขุมวิท กรุงเทพมหานคร 10110
 วันที่: 15/01/2564

ประเภท	ปี	ปี	ปี	ปี	ปี
A	2019	2020	2021	2022	2023
	2019	2020	2021	2022	2023
	2019	2020	2021	2022	2023
	2019	2020	2021	2022	2023
	2019	2020	2021	2022	2023
B	2019	2020	2021	2022	2023
	2019	2020	2021	2022	2023
	2019	2020	2021	2022	2023
	2019	2020	2021	2022	2023
	2019	2020	2021	2022	2023
C	2019	2020	2021	2022	2023
	2019	2020	2021	2022	2023
	2019	2020	2021	2022	2023
	2019	2020	2021	2022	2023
	2019	2020	2021	2022	2023

เอกสารไม่ควบคุม

ใบรับรองการนำเข้า

ชื่อ: บริษัท ไทยพาณิชย์ จำกัด
 ที่อยู่: 123 ถนนสุขุมวิท กรุงเทพมหานคร 10110
 วันที่: 15/01/2564

ข้อมูลการนำเข้า

ชื่อสินค้า: ข้าวหอมมะลิ
 จำนวน: 100 ตัน
 ราคา: 10 ล้านบาท
 วันที่: 15/01/2564

ข้อมูลการส่งออก

ชื่อสินค้า: ข้าวหอมมะลิ
 จำนวน: 100 ตัน
 ราคา: 10 ล้านบาท
 วันที่: 15/01/2564

ใบรับรองการนำเข้าเป็นเอกสารที่ออกให้สำหรับผู้ประกอบการที่นำเข้าสินค้าจากต่างประเทศ
 เพื่อใช้ในการขอสิทธิประโยชน์ทางภาษีและเพื่อใช้ในการขอคืนภาษีมูลค่าเพิ่ม

วันที่: 15/01/2564
 สถานที่: กรุงเทพมหานคร

เอกสารไม่ควบคุม

Technology Promotion Association (Thailand-Japan)
Corporate Services & Equipment Calibration and Testing Services
534/4 PATTANAKARN ROAD SOI 18, SUANLUANG, SUANLUANG BANGKOK 10250
TEL: 0-2717-3000-29 FAX: 0-2719-9484

Calibration No. 24CH320
Page 1/3

Item No.	Model	Serial No.	Calibration Date	Calibration Result
1	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
2	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
3	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000

เอกสารไม่ควบคุม

Technology Promotion Association (Thailand-Japan)
Corporate Services & Equipment Calibration and Testing Services
534/4 PATTANAKARN ROAD SOI 18, SUANLUANG, SUANLUANG BANGKOK 10250
TEL: 0-2717-3000-29 FAX: 0-2719-9484

Calibration No. 24CH320
Page 2/3

Certificate of Calibration

Equipment: pH Meter
Manufacturer: Horiba
Model: LAQUA-PH210
Serial No.: HA110035
ID No.: UAE EFM 011/2565(EFM pH 01/65)
Condition As-Received: Used Item
Received Date: 12 March 2024
Calibration Date: 14 March 2024
Reference: 2403-0386WSC-2
Submitted by: United Analyst and Engineering Consultant Co., Ltd.
3 Soi Udomsuk 41, Sukhumvit Road,
Bangchak, Phrakhanong, Bangkok 10260

Ambient Temperature: (25 ± 2.5) °C
Relative Humidity: (50 ± 15) %
Calibration Procedure:
- CP-CH5 by direct measurement with DC voltage standard and direct measurement with certified reference material (CRM)
- CP-CH8 by comparison with temperature standard

Calibrated by: Warakorn Lernagatrakul
Approved by: 
Approved Signatory

() Pornthippa Tameyakul
() Unnopphol Harachai
(x) Saitip Meangmai

Issue Date: 15 March 2024

The Uncertainties are for a confidence probability of approximately 95 %
This certificate may not be reproduced other than in full, except with the prior written Approval of the head of Corporate Services & Equipment Calibration and Testing Services

เอกสารไม่ควบคุม

Technology Promotion Association (Thailand-Japan)
Corporate Services & Equipment Calibration and Testing Services
534/4 PATTANAKARN ROAD SOI 18, SUANLUANG, SUANLUANG BANGKOK 10250
TEL: 0-2717-3000-29 FAX: 0-2719-9484

Calibration No. 24CH320
Page 3/3

Item No.	Model	Serial No.	Calibration Date	Calibration Result
4	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
5	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
6	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000
	1000	1000	1000	1000

เอกสารไม่ควบคุม

Technology Promotion Association (Thailand-Japan)
Corporate Services & Equipment Calibration and Testing Services
534/4 PATTANAKARN ROAD SOI 18, SUANLUANG, SUANLUANG BANGKOK 10250
TEL: 0-2717-3000-29 FAX: 0-2719-9484

Cert No.: 24CH320
Page: 1 of 3

Certificate of Calibration

Equipment: pH Meter
Manufacturer: Horiba
Model: LAQUA-PH210
Serial No.: HA110035
ID No.: UAE EFM 011/2565(EFM pH 01/65)
Condition As-Received: Used Item
Received Date: 12 March 2024
Calibration Date: 14 March 2024
Reference: 2403-0386WSC-2
Submitted by: United Analyst and Engineering Consultant Co., Ltd.
3 Soi Udomsuk 41, Sukhumvit Road,
Bangchak, Phrakhanong, Bangkok 10260

Ambient Temperature: (25 ± 2.5) °C
Relative Humidity: (50 ± 15) %
Calibration Procedure:
- CP-CH5 by direct measurement with DC voltage standard and direct measurement with certified reference material (CRM)
- CP-CH8 by comparison with temperature standard

Calibrated by: Warakorn Lernagatrakul
Approved by: 
Approved Signatory

() Pornthippa Tameyakul
() Unnopphol Harachai
(x) Saitip Meangmai

Issue Date: 15 March 2024

The Uncertainties are for a confidence probability of approximately 95 %
This certificate may not be reproduced other than in full, except with the prior written Approval of the head of Corporate Services & Equipment Calibration and Testing Services

เอกสารไม่ควบคุม

A 0064530



Cert.No.: 24CH320
Page: 2 of 3

Condition of this calibration result

1. Reference Standard Instrument

Instrument	Serial No.	ID No.	Cert. No.	Due Date
1) Document Process Calibrator	54030049	130RC116	23E2802	27 Aug 2024
2) Ref. Standard Thermometer	4982054	110RC044	23I908	26 July 2024

This certification is traceable to the International System of Unit maintained through:-
- Technology Promotion Association (Thailand-Japan)

2. Certified Reference Materials

The measurement results are traceable to SI through CPA chem Ltd.,
ANSI-ASQ National Accreditation Board, Accredited No. AR-1835

Buffer Solution	Manufacturer	Lot No.	Exp. date
pH 4.008	CPA chem	940102	27 Nov 2025
pH 6.986	CPA chem	940104	02 Nov 2024
pH 9.997	CPA chem	940106	02 Nov 2024

3. This certificate is valid only to the item calibrated on date and place of calibration.

Calibration Results

Function : mV Measurement

Performing standard curve by Document Process Calibrator at pH (4.7)(7.10)

Unit Under Calibration	Nominal Value	Standard Voltage Input	Actual Reading		Uncertainty of Measurement	Coverage factor
	pH	mV	mV	pH	(\pm mV)	k
pH Meter S/N : HA1L0035	4.00	177.48	177.5	4.01	0.058	2.00
	7.00	0.00	0.1	7.01	0.058	2.00
	7.00	0.00	0.1	7.01	0.058	2.00
	10.00	-177.48	-177.4	10.01	0.058	2.00

เอกสารไม่ควบคุม

a 1206343



Cert.No.: 24CH320
Page: 3 of 3

Calibration Results

Function : pH Measurement

Performing three buffers standard curve by using buffer nominal pH (4.7)(7.10)

Unit Under Calibration	Standard pH Buffer Solution	Actual pH Reading	Actual mV Reading (mV)	Uncertainty of pH Measurement (\pm)	Coverage factor k
pH Electrode S/N : -	4.008	4.01	170.9	0.0071	2.00
	6.986	7.00	-4.0	0.0099	2.00
	6.986	7.01	-4.2	0.0099	2.00
	9.997	10.01	178.3	0.0092	2.00

Function : Temperature Measurement

(*) Without adjustment

This equipment was connected with Temperature Probe.

- Model

- Serial No.

Dimension of probe

Length : 103 mm

Diameter : 16 mm

Immersion Depth : 90 mm

Calibration Point (°C)	Standard Temperature (°C)	UUC* Reading (°C)	Error (°C)	Uncertainty of measurement (\pm °C)	Coverage factor k
25.0	25.003	25.0	-0.003	0.13	2.00
30.0	30.003	30.0	-0.003	0.13	2.00
35.0	35.004	35.0	-0.004	0.13	2.00

Remark : - UUC* = Unit Under Calibration

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k, providing a level of confidence of approximately 95 %.

-000-

เอกสารไม่ควบคุม

a 1206344

List of Instruments Certification for Environmental Quality Analysis

No.	Instrument/Equipment	Parameter	Manufacturer	Model/Serial No.	Calibrator	Certification No.	Date of Calibration	Due date of Calibration*	Remark
Equipment for Air Quality Analysis									
1	Analytical Balance (Readability 0.1 mg)	TSP PM10	Mettler-Toledo	AB204-S/FACT / B108115858	National Food Institute, Ministry of Industry, Thailand	2402420-001-01	19 Apr 24	18 Apr 25	-
2	Analytical Balance (Readability 0.1 mg)	Total Dust Respirable Dust	Mettler-Toledo	MS204TS/00 C252436235	National Food Institute, Ministry of Industry, Thailand	2402420-003-01	19 Apr 24	18 Apr 25	-
3	Analytical Balance (Readability 0.001 mg)		Mettler-Toledo	XP6 / B322373893	National Food Institute, Ministry of Industry, Thailand	2402420-002-01	19 Apr 24	18 Apr 25	-
4	Ion Chromatography Anion (IC)	Phosphoric Acid Hydrofluoric Acid	Dionex	DionexAqionRHC / 220380031	Archemica Lab Co.Ltd.	Qualification Report Anion (ID#1047)	23 Apr 24	22 Apr 25	-
5	UV-VIS Spectrophotometer	Nox Silica	Agilent Technologies	Cary60 G6860A / MY15410009	DQE Services Co.,Ltd.	SP24-018	9 May 24	8 May 25	-
6	Atomic Absorption Spectrophotometer (AAS)	Nickel Nitrate as Nickel Dibutyltin Oxide as Sn	Agilent Technologies	System ID:G8432A AA240FS / MY13160001	Thailand Institute of Scientific and Technological Research(TISTR)	MTCACL.No 358/67	11 Mar 24	10 Mar 25	-
7	Inductively Coupled Plasma (ICP)		Agilent Technologies	System ID:G8015A G8015AA / MY18030001	Agilent Technologies (Thailand) Co.,Ltd.	Preventive Maintenance Checklist	13 Nov 23	12 Nov 24	-
8	Gas Chromatography (GC)	Xylene, Acetic Acid Ethylene Glycol Monoethyl Ether Ethylene Glycol Monobutyl Ether	Agilent Technologies	System ID:CN11021007 7890 / CN11021007	Agilent Technologies (Thailand) Co.,Ltd.	Preventive Maintenance Checklist	21 Feb 24	19 Feb 25	-
9	Ion Selective Electrode Meter (ISE)	Hydrofluorosilicic Acid as F	Orion	Star A214 / X36836	Science Tech Co.,Ltd.	FT004/24	27 May 24	26 May 25	-

List of Instruments Certification for Environmental Quality Analysis

No.	Instrument/Equipment	Parameter	Manufacturer	Model/Serial No.	Calibrator	Certification No.	Date of Calibration	Due date of Calibration*	Remark
Equipment for Water Quality Analysis									
10	pH Meter	pH, Temperature	Mettler-Toledo	Seven Easy S20 / 1231155210	National Food Institute, Ministry of Industry, Thailand	2401718-001-01	11 Mar 24	10 Mar 25	-
11	pH Meter		Mettler-Toledo	Seven Easy S20 / 1230525212	DKSH (Thailand) Ltd.	C07240167	9 Apr 24	8 Apr 25	-
12	BOD Incubator	BOD5	Arco	UC4-1320 / (UAE.WAO.015/2561)	Technology Promotion Association (Thailand-Japan)	24TM303	10 Feb 24	9 Feb 25	-
13	UV-VIS Spectrophotometer	Fluoride (F-),	Agilent Technologies	Cary60 G6860A / MY15410009	DOE Services Co.,Ltd.	SP24-018	7 May 24	6 May 25	-
14	Analytical Balance (Readability 0.01 mg)	SS,	Mettler-Toledo	XSR205DU / C210685394	National Food Institute, Ministry of Industry, Thailand	2402283-002-01	2 Apr 24	1 Apr 25	-
15	Hot Air Oven		Memmert	UF55 / B216.1666	National Food Institute, Ministry of Industry, Thailand	2400141-001-01	8 Oct 24	8 Oct 25	-
16	Analytical Balance (Readability 0.1 mg)	Oil & Grease	Mettler-Toledo	AB-204S/FACT / 1129361010	Technology Promotion Association (Thailand-Japan)	24MM292	11 May 24	10 May 25	-
17	COD Reactor (Heating Block)	COD	Hanna	HI839800-02 / 6480019101	Hanna Instruments (Thailand) Ltd.	HIT-2413-0434	25 Mar 24	24 Mar 25	-
18	Atomic Absorption Spectrophotometer (AAS)	Zn, Ni, Mg, Fe, Cu	Agilent Technologies	System ID:G8432A AA240FS / MY13160001	Thailand Institute of Scientific and Technological Research(TISTR)	MTC/ACL.No 358/67	11 Mar 24	10 Mar 25	-
19	Inductively Coupled Plasma (ICP)		Agilent Technologies	System ID:G8015A G8015AA / MY18030001	Agilent Technologies (Thailand) Co.,Ltd.	Preventive Maintenance Checklist	11 Nov 24	12 Nov 25	-

Due Date of Calibration*: Based on the annual calibration plan. At least 1 time per year.

PM Anion ID#1047

Preventive Maintenance Check List



Chemical ICS Preventive Maintenance

Drives/Jus Chromatography Preventive Maintenance Report

Customer/Department	Pharmaceutical
Lab/Analyst's Engineering Department	Lab/Analyst's Engineering Dept
Page No.	001
Lab/Engineering Report	21-00000000

Instrument Data

Instrument Model	Agilent 1100
Agilent P/N	1100
Instrument Description	Agilent 1100
Agilent P/N	1100
Agilent P/N	1100

Instrument Data

Instrument	Agilent P/N	Agilent P/N	Agilent P/N	Agilent P/N
1100	1100	1100	1100	1100
1100	1100	1100	1100	1100

Instrument Data

Instrument	Agilent P/N	Agilent P/N	Agilent P/N	Agilent P/N
1100	1100	1100	1100	1100
1100	1100	1100	1100	1100

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม



Chemical ICS Preventive Maintenance

General ICS Maintenance Checklist

No.	Description	Checked	Checked	Checked	N/A
1	Power on & Check				
2	Power on & Check				
3	Power on & Check				
4	Power on & Check				
5	Power on & Check				
6	Power on & Check				
7	Power on & Check				
8	Power on & Check				
9	Power on & Check				
10	Power on & Check				
11	Power on & Check				
12	Power on & Check				
13	Power on & Check				
14	Power on & Check				
15	Power on & Check				
16	Power on & Check				
17	Power on & Check				
18	Power on & Check				
19	Power on & Check				
20	Power on & Check				
21	Power on & Check				
22	Power on & Check				
23	Power on & Check				
24	Power on & Check				
25	Power on & Check				
26	Power on & Check				
27	Power on & Check				
28	Power on & Check				
29	Power on & Check				
30	Power on & Check				
31	Power on & Check				
32	Power on & Check				
33	Power on & Check				
34	Power on & Check				
35	Power on & Check				
36	Power on & Check				
37	Power on & Check				
38	Power on & Check				
39	Power on & Check				
40	Power on & Check				
41	Power on & Check				
42	Power on & Check				
43	Power on & Check				
44	Power on & Check				
45	Power on & Check				
46	Power on & Check				
47	Power on & Check				
48	Power on & Check				
49	Power on & Check				
50	Power on & Check				

เอกสารไม่ควบคุม



Chemical ICS Preventive Maintenance

AS-DV Autosampler Preventive Maintenance Checklist

No.	Description	Checked	Checked	Checked	N/A
1	AS-DV Autosampler				
2	AS-DV Autosampler				

No.	Description	Checked	Checked	Checked	N/A
1	AS-DV Autosampler				
2	AS-DV Autosampler				
3	AS-DV Autosampler				
4	AS-DV Autosampler				
5	AS-DV Autosampler				
6	AS-DV Autosampler				
7	AS-DV Autosampler				
8	AS-DV Autosampler				
9	AS-DV Autosampler				
10	AS-DV Autosampler				
11	AS-DV Autosampler				
12	AS-DV Autosampler				
13	AS-DV Autosampler				
14	AS-DV Autosampler				
15	AS-DV Autosampler				
16	AS-DV Autosampler				
17	AS-DV Autosampler				
18	AS-DV Autosampler				
19	AS-DV Autosampler				
20	AS-DV Autosampler				
21	AS-DV Autosampler				
22	AS-DV Autosampler				
23	AS-DV Autosampler				
24	AS-DV Autosampler				
25	AS-DV Autosampler				
26	AS-DV Autosampler				
27	AS-DV Autosampler				
28	AS-DV Autosampler				
29	AS-DV Autosampler				
30	AS-DV Autosampler				
31	AS-DV Autosampler				
32	AS-DV Autosampler				
33	AS-DV Autosampler				
34	AS-DV Autosampler				
35	AS-DV Autosampler				
36	AS-DV Autosampler				
37	AS-DV Autosampler				
38	AS-DV Autosampler				
39	AS-DV Autosampler				
40	AS-DV Autosampler				
41	AS-DV Autosampler				
42	AS-DV Autosampler				
43	AS-DV Autosampler				
44	AS-DV Autosampler				
45	AS-DV Autosampler				
46	AS-DV Autosampler				
47	AS-DV Autosampler				
48	AS-DV Autosampler				
49	AS-DV Autosampler				
50	AS-DV Autosampler				

AS-DV Autosampler					
-------------------	--	--	--	--	--

เอกสารไม่ควบคุม

PM Cation ID#1048

Preventive Maintenance Check List



Chromatography Preventive Maintenance

Dionex Ion Chromatography Preventive Maintenance Report

Customer/Company Name	Week/Department
Instrument/Model Number	Model Number
Engineer	Step
MO/Check/By/Date	20-04-2024

Test/Record Sheet

Test/Record Sheet	By/Date
Test/Record Sheet	By/Date
Test/Record Sheet	By/Date
Test/Record Sheet	By/Date
Test/Record Sheet	By/Date
Test/Record Sheet	By/Date

Continuously Data

Continuously Data	Continuously Data	Continuously Data	Continuously Data	Continuously Data
Continuously Data	Continuously Data	Continuously Data	Continuously Data	Continuously Data
Continuously Data	Continuously Data	Continuously Data	Continuously Data	Continuously Data
Continuously Data	Continuously Data	Continuously Data	Continuously Data	Continuously Data

Signature By/Date

Signature By/Date

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม



Chromatography Preventive Maintenance

General Ion Chromatography Checklist

No.	Description	Check	Clear	Repair	N/A
1	Instrument is clean and free of contamination				
2	Instrument is properly calibrated				
3	Instrument is properly maintained				
4	Instrument is properly calibrated				
5	Instrument is properly maintained				
6	Instrument is properly calibrated				
7	Instrument is properly maintained				
8	Instrument is properly calibrated				
9	Instrument is properly maintained				
10	Instrument is properly calibrated				
11	Instrument is properly maintained				
12	Instrument is properly calibrated				
13	Instrument is properly maintained				
14	Instrument is properly calibrated				
15	Instrument is properly maintained				
16	Instrument is properly calibrated				
17	Instrument is properly maintained				
18	Instrument is properly calibrated				
19	Instrument is properly maintained				
20	Instrument is properly calibrated				
21	Instrument is properly maintained				
22	Instrument is properly calibrated				
23	Instrument is properly maintained				
24	Instrument is properly calibrated				
25	Instrument is properly maintained				
26	Instrument is properly calibrated				
27	Instrument is properly maintained				
28	Instrument is properly calibrated				
29	Instrument is properly maintained				
30	Instrument is properly calibrated				
31	Instrument is properly maintained				
32	Instrument is properly calibrated				
33	Instrument is properly maintained				
34	Instrument is properly calibrated				
35	Instrument is properly maintained				

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

CM OQ

Chromeleon Operation Qualification

ThermoFisher SCIENTIFIC Chromleon Operational Qualification

General Information

Instrument Controller: COMPUTON-GATE-7
 Model: COMPUTON-GATE-7
 Version Number: 7.3.1 Build 2535
 Overall Test Result: **Passed**

Signature Section

All Parameters:	Signature: [Signature]	Pass:
-----------------	------------------------	-------

Signature: [Signature]
 Signature: [Signature]

ThermoFisher SCIENTIFIC Chromleon Operational Qualification, Part 1 Verification of Selected Results

Parameter / Variable	Test Name	Status
Flow Rate (µL/min)	Accuracy	Pass
	Reproducibility	Pass
	Flow Rate (µL/min)	Pass
Sample Size	Accuracy	Pass
	Reproducibility	Pass
	Flow Rate (µL/min)	Pass
Injection Volume	Accuracy	Pass
	Reproducibility	Pass
	Flow Rate (µL/min)	Pass
Rel. Retention	Accuracy	Pass
	Reproducibility	Pass
	Flow Rate (µL/min)	Pass
Rel. Std. Dev.	Accuracy	Pass
	Reproducibility	Pass
	Flow Rate (µL/min)	Pass
Retention Time	Accuracy	Pass
	Reproducibility	Pass
	Flow Rate (µL/min)	Pass

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

ThermoFisher SCIENTIFIC Chromleon Operational Qualification, Part 1 Verification of Selected Results

Parameter / Variable	Test Name	Status
Calibration Point X	Accuracy	Pass
	Reproducibility	Pass
	Flow Rate (µL/min)	Pass
Calibration Point Y	Accuracy	Pass
	Reproducibility	Pass
	Flow Rate (µL/min)	Pass
Amount (µg)	Accuracy	Pass
	Reproducibility	Pass
	Flow Rate (µL/min)	Pass
Resolution (R _s)	Accuracy	Pass
	Reproducibility	Pass
	Flow Rate (µL/min)	Pass
Resolution (R _s)	Accuracy	Pass
	Reproducibility	Pass
	Flow Rate (µL/min)	Pass
Peak Symmetry (S _p)	Accuracy	Pass
	Reproducibility	Pass
	Flow Rate (µL/min)	Pass
Peak Symmetry (S _p)	Accuracy	Pass
	Reproducibility	Pass
	Flow Rate (µL/min)	Pass

ThermoFisher SCIENTIFIC Chromleon Operational Qualification, Part 1 Verification of Selected Results

Parameter / Variable	Test Name	Status
Theoretical Plate (N)	Accuracy	Pass
	Reproducibility	Pass
	Flow Rate (µL/min)	Pass
Theoretical Plate (N)	Accuracy	Pass
	Reproducibility	Pass
	Flow Rate (µL/min)	Pass
Theoretical Plate (N)	Accuracy	Pass
	Reproducibility	Pass
	Flow Rate (µL/min)	Pass

Test Result: **Passed**

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

Page 1: Introduction to Second Grade	1000
Page 2: Math Fundamentals and Operations: Addition and Subtraction Basics	1000
Page 3: Reading Comprehension: Analyzing Texts and Drawing Inferences	1000



Two-Sided Representative Signature	College Signature
<i>[Signature]</i>	<i>[Signature]</i>
Date: <i>1/26/2014</i>	Date: <i>1/26/2014</i>

Downloaded At: 11:53 11 September 2009

ThermoFisher
SCIENTIFIC

Company	Headquarters	Year 1	Year 2	Year 3	Year 4
Company A	USA	100	120	150	180
Company B	USA	80	100	120	150
Company C	Canada	120	140	160	180
Company D	France	150	170	190	210
Company E	Germany	180	200	220	240
Company F	Japan	200	220	240	260
Company G	UK	220	240	260	280

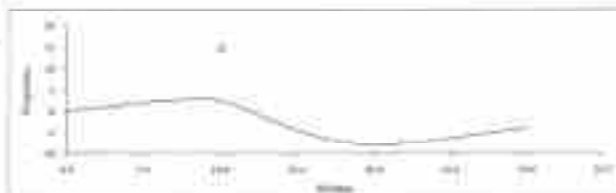
Classification	Material	Dimensions	Exp. Number	Lot Number	Expiration Date
Medium	Thermax Sterile	3 bags	000000	001000	Dec-2000
Medium	Thermax Sterile	30 bags	000000	001000	Dec-2000
Medium	Thermax Sterile	20 bags	000000	001000	Dec-2000
Medium	Thermax Sterile	30 bags	000000	001000	Dec-2000
Medium	Thermax Sterile	20 bags	000000	001000	Dec-2000
Medium	Thermax Sterile	20 bags	000000	001000	Dec-2000
High	MA	MA	MA	MA	MA
High	MA	MA	MA	MA	MA
High	MA	MA	MA	MA	MA
High	MA	MA	MA	MA	MA



Field Service Representative Signature: <i>J. Thompson</i>	Customer Signature: <i>[Signature]</i>
---	---

Downloaded from <http://www.sagepub.com> at NANYANG TECH UNIV LIBRARY on June 11, 2015

Performance Qualification

ThermoFisher
SCIENTIFIC[illegible]

Test	Measured (yB)	Delivered (yB)	Ratio	Complete Ratio
None	1.1 yB	0.70 yB	0.63	0.00
Diff	16.7 yB	8.33 yB	0.49	0.00



Full Name Representative: <u>James A. ...</u>	House Number: <u>2000</u>
City: <u>25000</u>	State: <u>25000</u>

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 105–112

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

REPEATABILITY (00)

ThermoFisher
SCIENTIFIC

Information

System Name	Agilent 779C
Operator SM	20200904
Data Path	C:\msdcs\lucy\ThermoFisher\Service\2020\9\04\779C\779C_2020_09\04_04

Peak Results

Sample Name	Concentration (µg/L)	Retention Time (min)	Area
Repeatability 01	25	1.200	1.825
Repeatability 02	25	1.200	1.825
Repeatability 03	25	1.200	1.831
Repeatability 04	25	1.200	1.825
Repeatability 05	25	1.200	1.829
Repeatability 06	25	1.200	1.830

Repeatability

Test	Measured % RSD	(X) Limit (% RSD)	Result
Repeatability	0.0	1.0	PASS
Area	0.0	1.0	PASS

OVERALL TEST RESULT: PASS

Field Service Representative Signature	Customer Signature
Date	Date

เอกสารไม่ควบคุม

CARRYOVER (00)

ThermoFisher
SCIENTIFIC

Information

System Name	Agilent 779C
Operator SM	20200904
Data Path	C:\msdcs\lucy\ThermoFisher\Service\2020\9\04\779C\779C_2020_09\04_04

Peak Results

Sample Name	Concentration (µg/L)	Retention Time (min)	Area
Carryover Blank	00	6.000	0.000
High Standard	50	0.000	18.734
Carryover	00	6.000	0.000

Results

Test	Observed (%)	QC Limit (%)	Result
Area	0.00	1.00	PASS

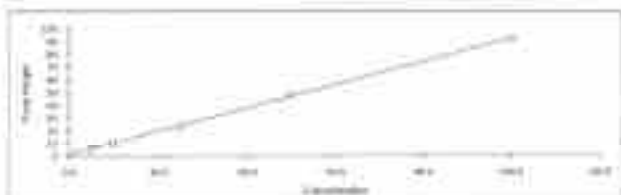
OVERALL TEST RESULT: PASS

Field Service Representative Signature	Customer Signature
Date	Date

เอกสารไม่ควบคุม

DETECTOR LINEARITY (00)

ThermoFisher
SCIENTIFIC



Information

System Name	Agilent 779C
Operator SM	20200904
Data Path	C:\msdcs\lucy\ThermoFisher\Service\2020\9\04\779C\779C_2020_09\04_04

Peak Results

Sample Name	Concentration	Peak Height	Concentration
Blank (1 test % 0)	0	6.372	0.00
Standard (repeatability 01)	10	13.296	0.00
Standard (repeatability 02)	20	26.590	0.00
Standard (1 test % 0)	30	39.873	0.00
Standard (1 test % 0)	100	131.905	00.00

Linearity

Test	Observed	QC Limit	Result
1"	0.00	0.000	PASS

OVERALL TEST RESULT: PASS

Field Service Representative Signature	Customer Signature
Date	Date

เอกสารไม่ควบคุม

BLUENT GENERATOR TEST

ThermoFisher
SCIENTIFIC

SD Current Test

Set Point (µA)	Measured (µA)	Reading (µA)	Set Point (µA)	QC Limit (µA)	Result
1.00	1.000	1.000	0.00	1.000	PASS
1.00	0.997	0.997	0.00	0.999	PASS
10.00	10.000	10.000	0.00	10.000	PASS
10.00	9.997	9.997	0.00	9.999	PASS
100.00	100.000	100.000	0.00	100.000	PASS
100.00	99.997	99.997	0.00	99.999	PASS

OVERALL TEST RESULT: PASS

Field Service Representative Signature	Customer Signature
Date	Date

เอกสารไม่ควบคุม

IC Pump Flow Rate

Set Point (mL/min)	Reading (mL/min)	Deviation (%)	Set Point (%)	Result
0.5	0.500	0.00	± 0.5	PASS
1.0	0.999	-0.10	± 0.5	PASS

Column Temperature

Set Point (°C)	Reading (°C)	Deviation (°C)	Set Point (°C)	Result
50.0	50.5	0.5	± 0.5	PASS

PARALLEL TEST RESULT: PASS



Field Service Representative Signature	Customer Signature
<i>[Signature]</i>	<i>[Signature]</i>
Date: <i>2/26/2024</i>	Date: <i>2/26/2024</i>

เอกสารไม่ควบคุม

PARALLEL TEST RESULT: PASS



Field Service Representative Signature	Customer Signature
<i>[Signature]</i>	<i>[Signature]</i>
Date: <i>2/26/2024</i>	Date: <i>2/26/2024</i>

เอกสารไม่ควบคุม

NO EXCEPTIONS AND COMMENTS

NO

Customer SOP-1000-01-0000-0000

NO REVIEW AND COMPLETION

These Operational Qualification Results should be reviewed by the Customer. If the Customer is satisfied with the results and the Service Representative who performed the Operational Qualification Results, then:

OPERATIONAL QUALIFICATION RESULTS

Report and the actual results returned. If the Operational Qualification **FAILS** the exception must be reported to the Customer Qualification & the initiation of the corrective action process.

Service Representative

A Field Service Representative signature below certifies the completion of all aspects of the Operational Qualification process and that the system has been successfully installed and is operating as required.

Customer

A Customer signature below certifies the completion of all aspects of the Operational Qualification process and that the system has been successfully installed and is operating as required.



Field Service Representative Signature	Customer Signature
<i>[Signature]</i>	<i>[Signature]</i>
Date: <i>2/26/2024</i>	Date: <i>2/26/2024</i>

เอกสารไม่ควบคุม



Field Service Representative Signature	Customer Signature
<i>[Signature]</i>	<i>[Signature]</i>
Date: <i>2/26/2024</i>	Date: <i>2/26/2024</i>

เอกสารไม่ควบคุม

© 2006 The Authors
Journal compilation © 2006 Blackwell Publishing Ltd

Manuscript No. M.A. 1000

Processing	LSHA Values	LSL Ranking	Correlation	Correlation	Correlation
Step	LSHA	LSL	LSHA	LSL	LSL
100	0.0000	0.0000	0.0000	0.0000	0.0000
200	0.0000	0.0000	0.0000	0.0000	0.0000
300	0.0000	0.0000	0.0000	0.0000	0.0000
400	0.0000	0.0000	0.0000	0.0000	0.0000
500	0.0000	0.0000	0.0000	0.0000	0.0000
600	0.0000	0.0000	0.0000	0.0000	0.0000
700	0.0000	0.0000	0.0000	0.0000	0.0000
800	0.0000	0.0000	0.0000	0.0000	0.0000
900	0.0000	0.0000	0.0000	0.0000	0.0000
1000	0.0000	0.0000	0.0000	0.0000	0.0000

Waveband	CNN Status	1D1D Ranking	Coverage	Linearity	Coverage Ratio
200-2	0.999	0.999	0.999	0.999	2.00
210	0.998	0.999	0.999	0.999	2.00
	0.999	0.999	0.999	0.999	2.00
220	0.999	0.999	0.999	0.999	2.00
	0.999	0.999	0.999	0.999	2.00
310	0.999	0.999	0.999	0.999	2.00
	0.999	0.999	0.999	0.999	2.00
410	0.999	0.999	0.999	0.999	2.00
	0.999	0.999	0.999	0.999	2.00



ហេតុអ្វីបានជាយើងប្រើប្រាស់?

เอกสารไม่ควบคุม



1000

100



เอกสารไม่ควบคุม

เอกสารไม่ควบคุม



10. *Journal of Management Studies*, 1996, 33, 1, 1-14.

Category	2008-09 (Rs. in Lakhs)	2009-10 (Rs. in Lakhs)	2010-11 (Rs. in Lakhs)	2011-12 (Rs. in Lakhs)	2012-13 (Rs. in Lakhs)
1. Salaries and Wages	100.00	100.00	100.00	100.00	100.00
2. Pension and Gratuity	50.00	50.00	50.00	50.00	50.00
3. Medical Expenses	20.00	20.00	20.00	20.00	20.00
4. Other Benefits	30.00	30.00	30.00	30.00	30.00

2014-15	Harvest (Tons of 40)	Price/100	Cost of Materials	Cost of Conversion	Harvest
	1000	1000	1000	1000	1000
	1000	1000	1000	1000	1000
	1000	1000	1000	1000	1000
	1000	1000	1000	1000	1000

Keywords: The degree of connectivity, *k*, is a graph invariant representing a vertex's degree of centrality. k is a graph invariant that is closely related to the degree of centrality of a vertex in a graph. k is a graph invariant that is closely related to the degree of centrality of a vertex in a graph.

Approved by _____
for (Title) _____
Director of Institute _____
(Signature date) : 8 February, 2006

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม



Report No. 2047 (2017) 3 / 3 WTC, W3, No. 2047 (2017)

3.6 Reading accuracy: 1000 Hz at 20.0 Hz

Series	Standard Error of Fit	Reading	True Measurement	True Measurement	Uncertainty
	Length	Length	Length	Hz	Length
10	0.00	0.00	0.00	0.00	± 0.00
	0.00	0.00	0.00	0.00	± 0.00
	0.00	0.00	0.00	0.00	± 0.00
	0.00	0.00	0.00	0.00	± 0.00

3.7 Reading accuracy: 1000 Hz at 20.0 Hz

Series	Standard Error of Fit	Reading	True Measurement	True Measurement	Uncertainty
	Length	Length	Length	Hz	Length
10	0.00	0.00	0.00	0.00	± 0.00
	0.00	0.00	0.00	0.00	± 0.00
	0.00	0.00	0.00	0.00	± 0.00
	0.00	0.00	0.00	0.00	± 0.00

3.8 Reading accuracy: 1000 Hz at 20.0 Hz

Series	Standard Error of Fit	Reading	True Measurement	True Measurement	Uncertainty
	Length	Length	Length	Hz	Length
10	0.00	0.00	0.00	0.00	± 0.00
	0.00	0.00	0.00	0.00	± 0.00
	0.00	0.00	0.00	0.00	± 0.00
	0.00	0.00	0.00	0.00	± 0.00

Continued 3.7/3

Agilent Technologies and Agilent Systems Limited

Head Office: Agilent Technologies (Singapore) Pte. Ltd.
Singapore Office: Agilent Technologies (Singapore) Pte. Ltd.
Tel: +65 6733 1000
Fax: +65 6733 1001
Email: agilent@agilent.com.sg

Representative: Agilent Technologies (Singapore) Pte. Ltd.
Singapore Office: Agilent Technologies (Singapore) Pte. Ltd.
Tel: +65 6733 1000
Fax: +65 6733 1001
Email: agilent@agilent.com.sg

Office: Agilent Technologies (Singapore) Pte. Ltd.
Singapore Office: Agilent Technologies (Singapore) Pte. Ltd.
Tel: +65 6733 1000
Fax: +65 6733 1001
Email: agilent@agilent.com.sg

เอกสารไม่ควบคุม



Report No. 2047 (2017) 3 / 3 WTC, W3, No. 2047 (2017)

3.7 Reading accuracy: 1000 Hz at 20.0 Hz

Series	Standard Error of Fit	Reading	True Measurement	True Measurement	Uncertainty
	Length	Length	Length	Hz	Length
10	0.00	0.00	0.00	0.00	± 0.00
	0.00	0.00	0.00	0.00	± 0.00
	0.00	0.00	0.00	0.00	± 0.00
	0.00	0.00	0.00	0.00	± 0.00

3.8 Reading accuracy: 1000 Hz at 20.0 Hz

Series	Standard Error of Fit	Reading	True Measurement	True Measurement	Uncertainty
	Length	Length	Length	Hz	Length
10	0.00	0.00	0.00	0.00	± 0.00
	0.00	0.00	0.00	0.00	± 0.00
	0.00	0.00	0.00	0.00	± 0.00
	0.00	0.00	0.00	0.00	± 0.00

Head Office: Agilent Technologies (Singapore) Pte. Ltd.
Singapore Office: Agilent Technologies (Singapore) Pte. Ltd.
Tel: +65 6733 1000
Fax: +65 6733 1001
Email: agilent@agilent.com.sg

Continued by: Agilent Technologies (Singapore) Pte. Ltd.
Singapore Office: Agilent Technologies (Singapore) Pte. Ltd.
Tel: +65 6733 1000
Fax: +65 6733 1001
Email: agilent@agilent.com.sg

Agilent Technologies and Agilent Systems Limited
List of Contents

Head Office: Agilent Technologies (Singapore) Pte. Ltd.
Singapore Office: Agilent Technologies (Singapore) Pte. Ltd.
Tel: +65 6733 1000
Fax: +65 6733 1001
Email: agilent@agilent.com.sg

Representative: Agilent Technologies (Singapore) Pte. Ltd.
Singapore Office: Agilent Technologies (Singapore) Pte. Ltd.
Tel: +65 6733 1000
Fax: +65 6733 1001
Email: agilent@agilent.com.sg

Office: Agilent Technologies (Singapore) Pte. Ltd.
Singapore Office: Agilent Technologies (Singapore) Pte. Ltd.
Tel: +65 6733 1000
Fax: +65 6733 1001
Email: agilent@agilent.com.sg

เอกสารไม่ควบคุม



Agilent 3110 and 3100 ICF-USA Preventive Maintenance Checklist

Agilent Preventive Maintenance provides further recommended service for your analytical systems to ensure reliable operation and the security of your results. Scheduled by highly-trained and certified service engineers using genuine Agilent parts and supplies, Agilent Preventive Maintenance provides everything you need to ensure optimized detection performance and system uptime at your peak.

For more information about Agilent Technologies services please visit our web site using the following URL: <http://www.agilent.com/service/preventive-maintenance>

Customer Information

- Customers should provide all necessary operating supplies upon request of the engineer.
- For customers using HP applications, the workstation should be returned to standard setup (initial state).
- A customer representative should be available to the engineer while performing the preventive maintenance procedures.
- Any parts not included in the Parts List section of this document are not part of the scheduled Preventive Maintenance service, and are charged in the price of the service.
- If a service requires the use of additional or special procedures and/or parts for the instrument service, then these must be ordered separately and charged as a repair, which may have additional

Service Engineer's Responsibilities

- Help complete printer pages that relate to the system being serviced.
- Complete supply table with the relevant information.
- Complete the relevant checklist in the checklist using a "Y" or tick mark "+" in the checklist.
- Complete the Agilent service sheet, name in ink, name, and delivery, as needed.
- Complete the PM service to the order of the basic level.
- Complete the Service History section together with the customer.

เอกสารไม่ควบคุม



Agilent 3110 and 3100 ICF-USA Preventive Maintenance Checklist

System Information

Instrument system name and ID	117 100 100
Instrument system site and location	WTC / 3rd Floor / Laboratory
Site system maintenance contact information	Site system maintenance contact information
1. Name	1. Name
2. Title	2. Title
3. Phone	3. Phone
4. Email	4. Email
5. Fax	5. Fax
6. Address	6. Address
7. City	7. City
8. State	8. State
9. Zip	9. Zip
10. Country	10. Country

ICF-USA Application name	Enter the type of test to be performed
Application Name	Application Name
Sample Name	Sample Name
Method	Method
Instrument Name	Instrument Name
Operator Name	Operator Name

เอกสารไม่ควบคุม

Agilent 5110 and 5160 HPL-MS
Preventive Maintenance Checklist

- ☐ Document specific issues to focus with the customer prior to meeting
- ☐ Review the instrument layout
- ☐ Perform general overview inspection of system for cleanliness
- ☒ Check for proper installation of safety-related DPA, interlocks, sensors, etc.
- ☐ Check for required hardware, software updates and verify with customer if they would like to install
- ☐ For 3D applications, ensure, if possible, geometry verification system was installed, and the customer trained it.
- ☐ Run Instrument Performance and/or process cycle as instructed (Performance Test Results Table for EM)

- Launch the pay software installation package to provision.
- Install worker loading factors, pay rates and prices into the accounting wage file template.
- Apply a general labour agreement if the system has no master data determination, create a new one.
- Import master data/master data copy and second pay request data/master data in the Service Employees Determination and apply the concepts in the request of active requests.
- Select the determination according to the data in the HR-HR Data Transfer Table.
- Import the performance data from HR-HR.
- Transfer the master data to the worker.
- Import the master data into the HR-HR and HR-HR system.
- Check whether HR is the administrative relationship of the employee data to prevent any more master data specification.
- Import the master data.
- Import the master data into the HR-HR system if available ... etc.
- Import and then import master data from HR-HR.

- ☐ **Transfer HTTP Application:**
- ☐ Create a cookie that sets every user's session from the other session.
- ☐ Transfer the user's session with the user's data.
- ☐ Use the cookie to set the user's session.
- ☐ Use the cookie to set the user's session with the user's data.

Agilent 3110 and 3100 GC/MS With
Preventative Maintenance Checklist

- Note: These measurements do not form part of the specification and are for reference only.

[illegible]

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 103–110

Agilent 5145 and 5146 HP-689
Permethrin Maintenance Checklist

22. If the Hubble constant, H_0 , were equal to, say, 100 km/s/Mpc, would the amount of light from the Andromeda Galaxy have increased or decreased in the universe's 13.7-billion-year history?

Service: Hagmann, Christopher, 1988-1991

If there are any specific points you wish to raise at any of our meetings, please email the committee or your tutor. If you are not a member, please email us too.

Other Important Documents With Links

How to get information on our products

3. <https://doi.org/10.1016/j.jmb.2019.04.014>.

© 2004 by Blackwell Publishing Ltd, <http://www.blackwell-synergy.com/ISSN/0950-2688>

3. You will also receive, Free! - <http://www.saltwater.com.au/supplies/valves.htm>

(b) www.mhhe.com/collegebusiness

Service Considerations

Contract signed on: 20/05/2017 Date work completed: 20/05/2017

Author (year)	Model	Number of cases	Sex
...

© 2000 Blackwell Science Ltd *Journal of Internal Medicine* 247: 399–405

Journal of Management, 37(1), 1-11	Copyright © 2011	Applied Technologies
------------------------------------	------------------	----------------------

เอกสารไม่ควบคุม

Elemental Weight	Specific Heat	Wt%
Hydrogen (H)	1.000	0.01
Carbon (C)	0.850	45.00
Nitrogen (N)	0.700	10.00
Oxygen (O)	0.450	35.00
Sulfur (S)	0.200	0.00
Chlorine (Cl)	0.480	0.00
Fluorine (F)	0.900	0.00
Phosphorus (P)	0.200	0.00
Iron (Fe)	0.450	0.00
Copper (Cu)	0.380	0.00
Aluminum (Al)	0.210	0.00
Silicon (Si)	0.160	0.00
Calcium (Ca)	0.250	0.00
Magnesium (Mg)	0.240	0.00
Zinc (Zn)	0.380	0.00
Lead (Pb)	0.130	0.00
Gold (Au)	0.130	0.00
Silver (Ag)	0.230	0.00
Mercury (Hg)	0.140	0.00
Platinum (Pt)	0.130	0.00
Palladium (Pd)	0.230	0.00
Rhodium (Rh)	0.230	0.00
Ruthenium (Ru)	0.230	0.00
Rosetta (R)	0.230	0.00
Unlabeled (U)	0.230	0.00

เอกสารไม่ควบคุม

Inventory Item		Usage			
Material		Quantity	Unit	Period	Value
General Wrenches					
1/4" (100-000-000)	1,450.0	0.000	145.0	1,450.0	21.5
3/4" (100-000-000)	1,410.0	0.000	141.0	1,410.0	21.5
1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
3/8" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
1/4" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
3/8" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
3/4" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
1" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
1 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
2 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
3" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
3 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
4" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
4 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
5" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
5 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
6" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
6 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
7" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
7 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
8" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
8 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
9" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
9 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
10" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
10 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
11" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
11 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
12" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
12 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
13" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
13 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
14" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
14 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
15" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
15 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
16" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
16 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
17" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
17 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
18" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
18 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
19" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
19 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
20" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
20 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
21" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
21 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
22" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
22 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
23" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
23 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
24" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
24 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
25" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
25 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
26" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
26 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
27" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
27 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
28" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
28 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
29" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
29 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
30" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
30 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
31" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
31 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
32" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
32 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
33" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
33 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
34" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
34 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
35" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
35 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
36" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
36 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
37" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
37 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
38" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
38 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
39" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
39 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
40" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
40 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
41" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
41 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
42" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
42 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
43" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
43 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
44" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
44 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
45" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
45 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
46" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
46 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
47" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
47 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
48" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
48 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
49" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
49 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
50" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
50 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
51" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
51 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
52" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
52 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
53" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
53 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
54" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
54 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
55" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
55 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
56" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
56 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
57" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
57 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
58" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
58 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
59" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
59 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
60" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
60 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
61" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
61 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
62" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
62 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
63" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
63 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
64" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
64 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
65" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
65 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
66" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
66 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
67" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
67 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
68" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
68 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
69" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
69 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
70" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
70 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
71" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
71 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
72" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
72 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
73" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
73 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
74" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
74 1/2" (100-000-000)	1,400.0	0.000	140.0	1,400.0	21.5
75"					

เอกสารไม่ควบคุม

Prevalence Point	Point
Point 1	
Standard Deviation	Standard Error
64 (186.282) sec	± 1.20
64 (186.228) sec	± 1.20
32 (212.857) sec	± 1.20
32 (212.803) sec	± 1.20
16 (239.431) sec	± 1.20
16 (239.485) sec	± 1.20
8 (266.112) sec	± 1.20
8 (266.166) sec	± 1.20
4 (292.794) sec	± 1.20
4 (292.848) sec	± 1.20
2 (319.425) sec	± 1.20
2 (319.479) sec	± 1.20
1 (346.053) sec	± 1.20
1 (346.107) sec	± 1.20
0.5 (372.681) sec	± 1.20
0.5 (372.735) sec	± 1.20
0.25 (399.309) sec	± 1.20
0.25 (399.363) sec	± 1.20
0.125 (425.937) sec	± 1.20
0.125 (425.991) sec	± 1.20
0.0625 (452.565) sec	± 1.20
0.0625 (452.619) sec	± 1.20
0.03125 (479.149) sec	± 1.20
0.03125 (479.203) sec	± 1.20
0.015625 (505.773) sec	± 1.20
0.015625 (505.827) sec	± 1.20
0.0078125 (532.401) sec	± 1.20
0.0078125 (532.455) sec	± 1.20
0.00390625 (558.975) sec	± 1.20
0.00390625 (559.029) sec	± 1.20
0.001953125 (585.549) sec	± 1.20
0.001953125 (585.603) sec	± 1.20
0.0009765625 (612.123) sec	± 1.20
0.0009765625 (612.177) sec	± 1.20
0.00048828125 (638.697) sec	± 1.20
0.00048828125 (638.751) sec	± 1.20
0.000244140625 (665.271) sec	± 1.20
0.000244140625 (665.325) sec	± 1.20
0.0001220703125 (691.791) sec	± 1.20
0.0001220703125 (691.845) sec	± 1.20
6.25E-05 (718.311) sec	± 1.20
6.25E-05 (718.365) sec	± 1.20
3.125E-05 (744.831) sec	± 1.20
3.125E-05 (744.885) sec	± 1.20
1.5625E-05 (771.351) sec	± 1.20
1.5625E-05 (771.405) sec	± 1.20
7.8125E-06 (797.871) sec	± 1.20
7.8125E-06 (797.925) sec	± 1.20
3.90625E-06 (824.341) sec	± 1.20
3.90625E-06 (824.395) sec	± 1.20
1.953125E-06 (850.811) sec	± 1.20
1.953125E-06 (850.865) sec	± 1.20
9.765625E-07 (877.271) sec	± 1.20
9.765625E-07 (877.325) sec	± 1.20
4.8828125E-07 (903.741) sec	± 1.20
4.8828125E-07 (903.795) sec	± 1.20
2.44140625E-07 (930.211) sec	± 1.20
2.44140625E-07 (930.265) sec	± 1.20
1.220703125E-07 (956.671) sec	± 1.20
1.220703125E-07 (956.725) sec	± 1.20
6.103515625E-08 (983.141) sec	± 1.20
6.103515625E-08 (983.195) sec	± 1.20
3.0517578125E-08 (1009.611) sec	± 1.20
3.0517578125E-08 (1009.665) sec	± 1.20
1.52587890625E-08 (1036.071) sec	± 1.20
1.52587890625E-08 (1036.125) sec	± 1.20
7.62939453125E-09 (1062.541) sec	± 1.20
7.62939453125E-09 (1062.595) sec	± 1.20
3.814697265625E-09 (1088.951) sec	± 1.20
3.814697265625E-09 (1089.005) sec	± 1.20
1.9073486328125E-09 (1115.361) sec	± 1.20
1.9073486328125E-09 (1115.415) sec	± 1.20
9.5367431640625E-10 (1141.771) sec	± 1.20
9.5367431640625E-10 (1141.825) sec	± 1.20
4.76837158203125E-10 (1168.181) sec	± 1.20
4.76837158203125E-10 (1168.235) sec	± 1.20
2.384185791015625E-10 (1194.591) sec	± 1.20
2.384185791015625E-10 (1194.645) sec	± 1.20
1.1920928955078125E-10 (1221.001) sec	± 1.20
1.1920928955078125E-10 (1221.055) sec	± 1.20
5.9604644775390625E-11 (1247.411) sec	± 1.20
5.9604644775390625E-11 (1247.465) sec	± 1.20
2.9802322387695312E-11 (1273.821) sec	± 1.20
2.9802322387695312E-11 (1273.875) sec	± 1.20
1.4901161193847656E-11 (1300.231) sec	± 1.20
1.4901161193847656E-11 (1300.285) sec	± 1.20</

เอกสารไม่ควบคุม

Report Summary		
Customer Model	Agave 4-64001 4/2002 400-000	
Customer ID	00011404000A	
Approved Internal Number	001400000	
Software Version	V.1.1 4007	
Hardware Version	040	
Terminal	P67 Vertical type	
Test Date/Time/Ch	11/03/2002 11:00:00 000	
Result Summary:		
Subsystem Communication Test	Pass	
RF Power Test	Pass	
Power Flow Test	Pass	
Gas Flow Test	Pass	
RF Generation Test	Pass	
Control Test	Pass	
Control Test	Skipped	
Automated Alarm System Test	Skipped	
Redundancy Test	Skipped	
Monitoring Test	Skipped	
Provision Test	Skipped	
Subsystem Communication Test	Pass	
RF Power Test	Pass	
(RF) RF Power (pass/fail) (dBm)	(RF) RF Power (pass/fail) (dBm)	(RF) RF Power (pass/fail) (dBm)
Water Flow Test:		
(RF) Water Flow (pass/fail) (L/min)	(RF) Water Flow (L/min)	(RF) Water Temperature (°C)
Pass	1.15	18.31

เอกสารไม่ควบคุม

Real Power Test		Power		
Inductive Target Power	Actual Power	Ratio Power	Actual Power	Ratio Power
0.19	0.20	0.95	0.20	0.95
Inductive Target Power	Actual Power	Ratio Power	Actual Power	Ratio Power
0.26	0.27	0.96	0.27	0.96
All Quantities Pass				
40 Power Supply Test	Pass			
40 Power Supply On	0.07	0.07		
40 Inductor Test	Pass			
40 Inductor Frequency	0.000			
40 Inductor Current (A)	0.000			
40 Power Supply Current (A)	0.000			
Power				
Current Test		Integration Time	Measured Current	Ratio
Inductive Current Test		0.001	0.001	Pass
Inductive Current Test		0.001	0.001	Pass
Inductive Current Test		0.001	0.001	Pass
Inductive Current Test		0.001	0.001	Pass

เอกสารไม่ควบคุม

Report Summary		
Instrument Model	Agilent 81000A GC/MS 639-0000	
Instrument ID	00001 (AutoID 24)	
Instrument Serial Number	601 0000001	
Software Version	1.2.1.0007	
Program Method	0042	
Sample ID	00000000000000000000	
Full Compound ID	11000000000000000000	
Result Summary		
Subsequent Communications Test	Succeeded	
Acrylic Test	Succeeded	
Water Test	Succeeded	
Gas Flow Test	Succeeded	
RF Coverage Test	Succeeded	
Current Test	Succeeded	
Calibration Test	Failed	
Automated status System Test	Succeeded	
Application Test	Failed	
Sanitizing Test	Succeeded	
Pressure Test	Failed	
Optical Test		
	Range	Value
Intensity	0.000000	0.000000
Wavelength	157.252	100.000

Page 1 of 3

เอกสารไม่ควบคุม

Resolution Test		
Element Wavelength	Specification	Value
As (193.327 nm)	> 0.45	0.18
Ag (198.446 nm)	> 0.25	0.06
Cl (202.802 nm)	> 0.146	0.05
Na (205.401 nm)	> 0.23	0.05
Li (205.401 nm)	> 0.146	0.05
Ca (205.401 nm)	> 0.146	0.05
Fe (205.401 nm)	> 0.146	0.05
Co (205.401 nm)	> 0.146	0.05
Ni (205.401 nm)	> 0.146	0.05
Cu (205.401 nm)	> 0.146	0.05
Zn (205.401 nm)	> 0.146	0.05
Se (205.401 nm)	> 0.146	0.05
Br (205.401 nm)	> 0.146	0.05
K (205.401 nm)	> 0.146	0.05
Rb (205.401 nm)	> 0.146	0.05
Sr (205.401 nm)	> 0.146	0.05
Y (205.401 nm)	> 0.146	0.05
Zr (205.401 nm)	> 0.146	0.05
Nb (205.401 nm)	> 0.146	0.05
Mo (205.401 nm)	> 0.146	0.05
Ta (205.401 nm)	> 0.146	0.05
W (205.401 nm)	> 0.146	0.05
Re (205.401 nm)	> 0.146	0.05
Os (205.401 nm)	> 0.146	0.05
Ir (205.401 nm)	> 0.146	0.05
Pt (205.401 nm)	> 0.146	0.05
Au (205.401 nm)	> 0.146	0.05
Hg (205.401 nm)	> 0.146	0.05
Tl (205.401 nm)	> 0.146	0.05
Pb (205.401 nm)	> 0.146	0.05
Bi (205.401 nm)	> 0.146	0.05
Po (205.401 nm)	> 0.146	0.05
At (205.401 nm)	> 0.146	0.05
Rn (205.401 nm)	> 0.146	0.05

Page 2 of 3

เอกสารไม่ควบคุม

Resolution Test		
Element	Specification	Value
As (193.327 nm)	> 0.45	0.18
Ag (198.446 nm)	> 0.25	0.06
Cl (202.802 nm)	> 0.146	0.05
Na (205.401 nm)	> 0.23	0.05
Li (205.401 nm)	> 0.146	0.05
Ca (205.401 nm)	> 0.146	0.05
Fe (205.401 nm)	> 0.146	0.05
Co (205.401 nm)	> 0.146	0.05
Ni (205.401 nm)	> 0.146	0.05
Cu (205.401 nm)	> 0.146	0.05
Zn (205.401 nm)	> 0.146	0.05
Se (205.401 nm)	> 0.146	0.05
Br (205.401 nm)	> 0.146	0.05
K (205.401 nm)	> 0.146	0.05
Rb (205.401 nm)	> 0.146	0.05
Sr (205.401 nm)	> 0.146	0.05
Y (205.401 nm)	> 0.146	0.05
Zr (205.401 nm)	> 0.146	0.05
Nb (205.401 nm)	> 0.146	0.05
Mo (205.401 nm)	> 0.146	0.05
Ta (205.401 nm)	> 0.146	0.05
W (205.401 nm)	> 0.146	0.05
Re (205.401 nm)	> 0.146	0.05
Os (205.401 nm)	> 0.146	0.05
Ir (205.401 nm)	> 0.146	0.05
Pt (205.401 nm)	> 0.146	0.05
Au (205.401 nm)	> 0.146	0.05
Hg (205.401 nm)	> 0.146	0.05
Tl (205.401 nm)	> 0.146	0.05
Pb (205.401 nm)	> 0.146	0.05
Bi (205.401 nm)	> 0.146	0.05
Po (205.401 nm)	> 0.146	0.05
At (205.401 nm)	> 0.146	0.05
Rn (205.401 nm)	> 0.146	0.05

Page 3 of 3

เอกสารไม่ควบคุม

Resolution Test		
Element	Specification	Value
As (193.327 nm)	> 0.45	0.18
Ag (198.446 nm)	> 0.25	0.06
Cl (202.802 nm)	> 0.146	0.05
Na (205.401 nm)	> 0.23	0.05
Li (205.401 nm)	> 0.146	0.05
Ca (205.401 nm)	> 0.146	0.05
Fe (205.401 nm)	> 0.146	0.05
Co (205.401 nm)	> 0.146	0.05
Ni (205.401 nm)	> 0.146	0.05
Cu (205.401 nm)	> 0.146	0.05
Zn (205.401 nm)	> 0.146	0.05
Se (205.401 nm)	> 0.146	0.05
Br (205.401 nm)	> 0.146	0.05
K (205.401 nm)	> 0.146	0.05
Rb (205.401 nm)	> 0.146	0.05
Sr (205.401 nm)	> 0.146	0.05
Y (205.401 nm)	> 0.146	0.05
Zr (205.401 nm)	> 0.146	0.05
Nb (205.401 nm)	> 0.146	0.05
Mo (205.401 nm)	> 0.146	0.05
Ta (205.401 nm)	> 0.146	0.05
W (205.401 nm)	> 0.146	0.05
Re (205.401 nm)	> 0.146	0.05
Os (205.401 nm)	> 0.146	0.05
Ir (205.401 nm)	> 0.146	0.05
Pt (205.401 nm)	> 0.146	0.05
Au (205.401 nm)	> 0.146	0.05
Hg (205.401 nm)	> 0.146	0.05
Tl (205.401 nm)	> 0.146	0.05
Pb (205.401 nm)	> 0.146	0.05
Bi (205.401 nm)	> 0.146	0.05
Po (205.401 nm)	> 0.146	0.05
At (205.401 nm)	> 0.146	0.05
Rn (205.401 nm)	> 0.146	0.05

Page 4 of 4

เอกสารไม่ควบคุม

[illegible][illegible][illegible][illegible]

Case	Population	Study Methods	Study Population	Outcome/Measure
1. Hershey et al. (2000)	Infants	Randomized Controlled Trial	Infants born to mothers with a history of perinatal loss	Attachment and emotional regulation
2. Hershey et al. (2002)	Infants	Randomized Controlled Trial	Infants born to mothers with a history of perinatal loss	Attachment and emotional regulation
3. Hershey et al. (2004)	Infants	Randomized Controlled Trial	Infants born to mothers with a history of perinatal loss	Attachment and emotional regulation
4. Hershey et al. (2006)	Infants	Randomized Controlled Trial	Infants born to mothers with a history of perinatal loss	Attachment and emotional regulation
5. Hershey et al. (2008)	Infants	Randomized Controlled Trial	Infants born to mothers with a history of perinatal loss	Attachment and emotional regulation
6. Hershey et al. (2010)	Infants	Randomized Controlled Trial	Infants born to mothers with a history of perinatal loss	Attachment and emotional regulation
7. Hershey et al. (2012)	Infants	Randomized Controlled Trial	Infants born to mothers with a history of perinatal loss	Attachment and emotional regulation
8. Hershey et al. (2014)	Infants	Randomized Controlled Trial	Infants born to mothers with a history of perinatal loss	Attachment and emotional regulation
9. Hershey et al. (2016)	Infants	Randomized Controlled Trial	Infants born to mothers with a history of perinatal loss	Attachment and emotional regulation
10. Hershey et al. (2018)	Infants	Randomized Controlled Trial	Infants born to mothers with a history of perinatal loss	Attachment and emotional regulation

Figure 10

Uncontrolled Document

Year	Country	Source	Topic	Notes
1990	USA	USAID	Health	USAID/HRP/HRP-90-001
1991	USA	USAID	Health	USAID/HRP/HRP-91-001
1992	USA	USAID	Health	USAID/HRP/HRP-92-001
1993	USA	USAID	Health	USAID/HRP/HRP-93-001
1994	USA	USAID	Health	USAID/HRP/HRP-94-001
1995	USA	USAID	Health	USAID/HRP/HRP-95-001
1996	USA	USAID	Health	USAID/HRP/HRP-96-001
1997	USA	USAID	Health	USAID/HRP/HRP-97-001
1998	USA	USAID	Health	USAID/HRP/HRP-98-001
1999	USA	USAID	Health	USAID/HRP/HRP-99-001
2000	USA	USAID	Health	USAID/HRP/HRP-00-001
2001	USA	USAID	Health	USAID/HRP/HRP-01-001
2002	USA	USAID	Health	USAID/HRP/HRP-02-001
2003	USA	USAID	Health	USAID/HRP/HRP-03-001
2004	USA	USAID	Health	USAID/HRP/HRP-04-001
2005	USA	USAID	Health	USAID/HRP/HRP-05-001
2006	USA	USAID	Health	USAID/HRP/HRP-06-001
2007	USA	USAID	Health	USAID/HRP/HRP-07-001
2008	USA	USAID	Health	USAID/HRP/HRP-08-001
2009	USA	USAID	Health	USAID/HRP/HRP-09-001
2010	USA	USAID	Health	USAID/HRP/HRP-10-001
2011	USA	USAID	Health	USAID/HRP/HRP-11-001
2012	USA	USAID	Health	USAID/HRP/HRP-12-001
2013	USA	USAID	Health	USAID/HRP/HRP-13-001
2014	USA	USAID	Health	USAID/HRP/HRP-14-001
2015	USA	USAID	Health	USAID/HRP/HRP-15-001
2016	USA	USAID	Health	USAID/HRP/HRP-16-001
2017	USA	USAID	Health	USAID/HRP/HRP-17-001
2018	USA	USAID	Health	USAID/HRP/HRP-18-001
2019	USA	USAID	Health	USAID/HRP/HRP-19-001
2020	USA	USAID	Health	USAID/HRP/HRP-20-001
2021	USA	USAID	Health	USAID/HRP/HRP-21-001
2022	USA	USAID	Health	USAID/HRP/HRP-22-001
2023	USA	USAID	Health	USAID/HRP/HRP-23-001
2024	USA	USAID	Health	USAID/HRP/HRP-24-001
2025	USA	USAID	Health	USAID/HRP/HRP-25-001
2026	USA	USAID	Health	USAID/HRP/HRP-26-001
2027	USA	USAID	Health	USAID/HRP/HRP-27-001
2028	USA	USAID	Health	USAID/HRP/HRP-28-001
2029	USA	USAID	Health	USAID/HRP/HRP-29-001
2030	USA	USAID	Health	USAID/HRP/HRP-30-001

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

© 2000 Blackwell Science Ltd

Uncontrolled Document

Unit	Assessment Date	Unit Materials	Unit Objectives	Classroom Management
Unit 1: Introduction to the Unit	10/1/18	Unit 1: Introduction to the Unit	Unit 1: Introduction to the Unit	Unit 1: Introduction to the Unit
Unit 2: The Unit	10/1/18	Unit 2: The Unit	Unit 2: The Unit	Unit 2: The Unit
Unit 3: The Unit	10/1/18	Unit 3: The Unit	Unit 3: The Unit	Unit 3: The Unit
Unit 4: The Unit	10/1/18	Unit 4: The Unit	Unit 4: The Unit	Unit 4: The Unit
Unit 5: The Unit	10/1/18	Unit 5: The Unit	Unit 5: The Unit	Unit 5: The Unit
Unit 6: The Unit	10/1/18	Unit 6: The Unit	Unit 6: The Unit	Unit 6: The Unit
Unit 7: The Unit	10/1/18	Unit 7: The Unit	Unit 7: The Unit	Unit 7: The Unit
Unit 8: The Unit	10/1/18	Unit 8: The Unit	Unit 8: The Unit	Unit 8: The Unit
Unit 9: The Unit	10/1/18	Unit 9: The Unit	Unit 9: The Unit	Unit 9: The Unit
Unit 10: The Unit	10/1/18	Unit 10: The Unit	Unit 10: The Unit	Unit 10: The Unit

—



Uncontrolled Document

Year	Transmission Mode	Timing Character	Type of Transmission	System/Component
1990-1991 (1990-1991) - 1st Year	Direct	Continuous	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)
1992-1993 (1992-1993) - 2nd Year	Direct	Continuous	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)
1994-1995 (1994-1995) - 3rd Year	Direct	Continuous	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)
1996-1997 (1996-1997) - 4th Year	Direct	Continuous	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)
1998-1999 (1998-1999) - 5th Year	Direct	Continuous	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)
2000-2001 (2000-2001) - 6th Year	Direct	Continuous	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)
2002-2003 (2002-2003) - 7th Year	Direct	Continuous	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)
2004-2005 (2004-2005) - 8th Year	Direct	Continuous	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)
2006-2007 (2006-2007) - 9th Year	Direct	Continuous	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)
2008-2009 (2008-2009) - 10th Year	Direct	Continuous	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)	12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%) 12.5% (12.5% - 12.5%)

<http://www.sagepub.com>

[illegible]

Uncontrolled Document

Case	Intervention	Study	Study Design	Study Population	Study Outcomes
1. Case 1: A patient with a history of chronic kidney disease (CKD) and hypertension (HT) who was prescribed a low-sodium diet.	Low-sodium diet	Case Report	Case Report	CKD, HT, low-sodium diet	Improved blood pressure, reduced proteinuria
2. Case 2: A patient with a history of CKD and HT who was prescribed a low-sodium diet and a diuretic.	Low-sodium diet and diuretic	Case Report	Case Report	CKD, HT, low-sodium diet, diuretic	Improved blood pressure, reduced proteinuria
3. Case 3: A patient with a history of CKD and HT who was prescribed a low-sodium diet and a diuretic.	Low-sodium diet and diuretic	Case Report	Case Report	CKD, HT, low-sodium diet, diuretic	Improved blood pressure, reduced proteinuria
4. Case 4: A patient with a history of CKD and HT who was prescribed a low-sodium diet and a diuretic.	Low-sodium diet and diuretic	Case Report	Case Report	CKD, HT, low-sodium diet, diuretic	Improved blood pressure, reduced proteinuria
5. Case 5: A patient with a history of CKD and HT who was prescribed a low-sodium diet and a diuretic.	Low-sodium diet and diuretic	Case Report	Case Report	CKD, HT, low-sodium diet, diuretic	Improved blood pressure, reduced proteinuria
6. Case 6: A patient with a history of CKD and HT who was prescribed a low-sodium diet and a diuretic.	Low-sodium diet and diuretic	Case Report	Case Report	CKD, HT, low-sodium diet, diuretic	Improved blood pressure, reduced proteinuria
7. Case 7: A patient with a history of CKD and HT who was prescribed a low-sodium diet and a diuretic.	Low-sodium diet and diuretic	Case Report	Case Report	CKD, HT, low-sodium diet, diuretic	Improved blood pressure, reduced proteinuria
8. Case 8: A patient with a history of CKD and HT who was prescribed a low-sodium diet and a diuretic.	Low-sodium diet and diuretic	Case Report	Case Report	CKD, HT, low-sodium diet, diuretic	Improved blood pressure, reduced proteinuria
9. Case 9: A patient with a history of CKD and HT who was prescribed a low-sodium diet and a diuretic.	Low-sodium diet and diuretic	Case Report	Case Report	CKD, HT, low-sodium diet, diuretic	Improved blood pressure, reduced proteinuria
10. Case 10: A patient with a history of CKD and HT who was prescribed a low-sodium diet and a diuretic.	Low-sodium diet and diuretic	Case Report	Case Report	CKD, HT, low-sodium diet, diuretic	Improved blood pressure, reduced proteinuria

Year (from introduction of technology to current year)	Year	Technology	Type of Innovation	Impact Assessment
1990-1995 (from 1990 to 1995)	1990	Personal Computer (PC)	Product Innovation	Increased productivity, communication, and data storage.
1995-2000 (from 1995 to 2000)	1995	Internet	Service Innovation	Global communication, e-commerce, and information sharing.
2000-2005 (from 2000 to 2005)	2000	Mobile Phone (Cellular)	Product Innovation	Increased mobility, communication, and data storage.
2005-2010 (from 2005 to 2010)	2005	Smartphone (PDA)	Product Innovation	Increased mobility, communication, and data storage.
2010-2015 (from 2010 to 2015)	2010	Cloud Computing	Service Innovation	Increased scalability, flexibility, and data storage.
2015-2020 (from 2015 to 2020)	2015	Artificial Intelligence (AI)	Service Innovation	Increased automation, efficiency, and data storage.
2020-2025 (from 2020 to 2025)	2020	Blockchain	Service Innovation	Increased security, transparency, and data storage.
2025-2030 (from 2025 to 2030)	2025	Quantum Computing	Service Innovation	Increased processing power, speed, and data storage.
2030-2035 (from 2030 to 2035)	2030	Autonomous Vehicles	Service Innovation	Increased safety, efficiency, and data storage.
2035-2040 (from 2035 to 2040)	2035	Biotechnology	Service Innovation	Increased healthcare, agriculture, and data storage.
2040-2045 (from 2040 to 2045)	2040	Space Exploration	Service Innovation	Increased scientific research, exploration, and data storage.
2045-2050 (from 2045 to 2050)	2045	Artificial Intelligence (AI)	Service Innovation	Increased automation, efficiency, and data storage.
2050-2055 (from 2050 to 2055)	2050	Space Exploration	Service Innovation	Increased scientific research, exploration, and data storage.
2055-2060 (from 2055 to 2060)	2055	Artificial Intelligence (AI)	Service Innovation	Increased automation, efficiency, and data storage.
2060-2065 (from 2060 to 2065)	2060	Space Exploration	Service Innovation	Increased scientific research, exploration, and data storage.
2065-2070 (from 2065 to 2070)	2065	Artificial Intelligence (AI)	Service Innovation	Increased automation, efficiency, and data storage.
2070-2075 (from 2070 to 2075)	2070	Space Exploration	Service Innovation	Increased scientific research, exploration, and data storage.
2075-2080 (from 2075 to 2080)	2075	Artificial Intelligence (AI)	Service Innovation	Increased automation, efficiency, and data storage.
2080-2085 (from 2080 to 2085)	2080	Space Exploration	Service Innovation	Increased scientific research, exploration, and data storage.
2085-2090 (from 2085 to 2090)	2085	Artificial Intelligence (AI)	Service Innovation	Increased automation, efficiency, and data storage.
2090-2095 (from 2090 to 2095)	2090	Space Exploration	Service Innovation	Increased scientific research, exploration, and data storage.
2095-2100 (from 2095 to 2100)	2095	Artificial Intelligence (AI)	Service Innovation	Increased automation, efficiency, and data storage.

[illegible][illegible]

Report and Delivery Options

The Department makes copies of its official records available to the public at a cost of \$10 per page. The Department's records are available to the public at a cost of \$10 per page. The Department's records are available to the public at a cost of \$10 per page.

- Glass processing time
- Glass handle and bottom smooth
- Inside smoothed 1st top
- Inside Smoothed 2nd

Selected Signature Options

© 2004 Blackwell Publishing Ltd
Journal of Internal Medicine 255: 103–110

...decreasing expenditure is allowed in the 1990s

Uncontrolled Document

Customer Approval

Name:
 Title:
 Date:
 Signature:

[illegible]

	2012	2013	2014	2015
Revenue	1,000,000	1,000,000	1,000,000	1,000,000
Expenses	800,000	800,000	800,000	800,000
Profit	200,000	200,000	200,000	200,000

Nome			
Cognome			
Indirizzo			
Cap		Città	
Telefono			

Uncontrolled Document

Legal Notice

[illegible]

Export Controls: Some EEC off limits. Technology: Not such a hot item. Information: Systems: Increasing. Group Equity: Manager. Investment: None. (See 228000 for EEC.)

Abstract: *Chlamydomonas reinhardtii* is a unicellular green alga that is widely used in molecular biology and biotechnology. It is a model organism for studying photosynthesis, cell division, and protein synthesis. The organism is easy to grow and manipulate, and it has a well-defined genome. This makes it an ideal system for studying the basic principles of cell biology and for developing new biotechnological applications.

© 2011 John Wiley & Sons, Ltd. *J. Forecast.* **31**, 1025–1042 (2012)
DOI: 10.1002/for

Uncontrolled Document

Protocol Details

© 2010 The Authors. Journal compilation © 2010 Blackwell Publishing Ltd

Uncontrolled Document

Service Details

Reference:

This page is available for customer and display details for this service.

General Details

Service Order No. / Project	000000110
EST Name	AgilentPerformance
EST Number	0010100
Asset Type	Support
Department/Service	
Area	Customer Analysis and Engineering Services (C-AE)
Location	6000 Boulevard #1, Agilent Road, Bangalore, Karnataka, Bangalore-560008
Local Contact Details	
Name	K. Ramesh Chandra
Job Title	Manager
Qualification/Location	Master's (AI Laboratory)
Service Details	
Area	Support (AI) Team
Job Title	Team Manager, Bangalore
QA Automation Support	
Agilent Software Agent	AgilentSoftware
Agilent Software Version	1.0.1.1 (Agilent 00011)
Customer Data Service (CDS)	On (Data is 0.0)

Date: February 23, 2023 11:14 AM
System ID: 100-001-001-000001

Page 1 of 1

Uncontrolled Document

Instrument Details

Reference:

This page is available for customer and display details for this service.

Details

System	
System ID	100-001-001-000001
Manufacturer	Agilent Technologies
Name	1000
Flow Rate (L/min)	Flow Rate (L/min)
Temperature (Celsius)	Temperature (Celsius) or Other Unit (Celsius)
Sample Characteristics	
Sample Description	Agilent Software
Unit	Agilent
Volume	Agilent
Unit Measurement	Agilent
Sample Characteristics	
Sample Description	Agilent Software
Unit	Agilent
Volume	Agilent
Unit Measurement	Agilent
Sample ID	
Manufacturer	Agilent Technologies
Type	Agilent Software
Name	1000
Manufacturer	Agilent
Name Number	1000000000
Pressure (Bar)	1.0 (1.0)
Volume	Agilent Software
Location	Agilent
Storage (Celsius)	100

Date: February 23, 2023 11:14 AM
System ID: 100-001-001-000001

Page 1 of 1

Uncontrolled Document

General	
Manufacturer	Agilent Technologies
Type	1000
Name	1000
Name Number	1000000000
Name Number	1000000000
Pressure (Bar)	1.0 (1.0)
Manufacturer	
Manufacturer	Agilent Technologies
Name	1000
Name Number	1000000000
Name Number	1000000000
Pressure (Bar)	1.0 (1.0)
Flow Rate (L/min)	Flow Rate (L/min)
General	
Manufacturer	Agilent Technologies
Name	1000
Type	1000
Location	Agilent
Flow Rate (L/min)	Flow Rate (L/min)
Flow Rate (L/min)	Flow Rate (L/min)
General	
Manufacturer	Agilent Technologies
Name	1000
Type	1000
Name Number	1000000000
Name Number	1000000000
Pressure (Bar)	1.0 (1.0)
Flow Rate (L/min)	Flow Rate (L/min)
Flow Rate (L/min)	Flow Rate (L/min)

Date: February 23, 2023 11:14 AM
System ID: 100-001-001-000001

Page 1 of 1

Uncontrolled Document

General	
Manufacturer	Agilent Technologies
Name	1000
Type	1000
Name	1000
Flow Rate (L/min)	Flow Rate (L/min)
Flow Rate (L/min)	Flow Rate (L/min)
General	
Manufacturer	Agilent Technologies
Name	1000
Type	1000
Name Number	1000000000
Name Number	1000000000
Pressure (Bar)	1.0 (1.0)
Flow Rate (L/min)	Flow Rate (L/min)
Flow Rate (L/min)	Flow Rate (L/min)

Date: February 23, 2023 11:14 AM
System ID: 100-001-001-000001

Page 1 of 1

Uncontrolled Document

Inlet Pressure Decay

Purpose

This test demonstrates the pressure integrity of the GC inlet with a leak-controlled testpiece subject. Inadequacies are not best revealed by the GC inlet characterization.

Configuration Details

Name	Test	Pass	Fail
Subject	Pressure	20.0	10
Measurements			
Initial Pressure	20.0	10	
Final Pressure	20.0	10	
Accuracy			
Pressure Change	0.0	10	0.00000
Agilent Recommendation	< 0.0	10	< 0.0
Report Status	Pass		
Overall Inlet Pressure Decay Test Status	Pass		

Date: November 23, 2022 11:11 AM
Report ID: 140719347_20220222

Page 1 of 11

Uncontrolled Document

Inlet Pressure Accuracy

Purpose

This test uses a digital scale measurement to determine the ability of the system to provide accurate pressure to the head of the detector. Accuracy is calculated as the absolute difference between the measured pressure and setpoint.

Configuration Details

Name	Test	Pass	Fail
Subject	Inlet Pressure	20.0	10
Measurements			
Measuring	10.0	10	
Result			
Accuracy	0.0	10	
Agilent Recommendation	< 0.0	10	< 0.0
Report Status	Pass		
Overall Inlet Pressure Accuracy Test Status	Pass		

Date: November 23, 2022 11:11 AM
Report ID: 140719347_20220222

Page 1 of 11

Uncontrolled Document

Detector Flow Accuracy

Purpose

Detector flow accuracy is determined by measuring the flow with a calibrated mass flowmeter and comparing them to the test response and the values displayed by the GC inlet software.

Configuration Details

Name	Test	Pass	Fail
Subject	Flow Test	Initial	20.0 40.00
Measurements and Results			
Flow	Flow		
Flow	20.0	40.00	
Accuracy	0.0	10	0.00000
Agilent Recommendation	< 0.0	10	< 0.0
Report Status	Pass		
Overall Detector Flow Accuracy Test Status	Pass		

Date: November 23, 2022 11:11 AM
Report ID: 140719347_20220222

Page 1 of 11

Uncontrolled Document

Detector Flow Accuracy

Purpose

Detector flow accuracy is determined by measuring the flow with a calibrated mass flowmeter and comparing them to the test response and the values displayed by the GC inlet software.

Configuration Details

Name	Test	Pass	Fail
Subject	Flow Test	Initial	20.0 40.00
Measurements and Results			
Flow	Flow		
Flow	20.0	40.00	
Accuracy	0.0	10	0.00000
Agilent Recommendation	< 0.0	10	< 0.0
Report Status	Pass		
Overall Detector Flow Accuracy Test Status	Pass		

Date: November 23, 2022 11:11 AM
Report ID: 140719347_20220222

Page 1 of 11

Uncontrolled Document

© 2022 by Applied Technologies Applied Chemical Compliance Systems

GC Oven Temperature Accuracy

Procedure

The test uses a calibrated digital thermometer to determine the accuracy of the GC oven. Accuracy is calculated as the absolute difference between the measured temperature and setpoint.

Configuration Details

Name: 1000

Report: Temperature 100.0 °C 100.0 °C

Time: 10:00 Date: 10/10/2022

Measurements and Results

Probe: A single probe is used for this routine

Temp: Temperature

Units: 100.0 °C

Accuracy: 0.0 °C

Applied Recommendation: no 1.4.3 0.5 degrees or 0.5 0.5 °C 0.5 °C

Accepted Status: Pass Rule: 1

Created (Date/Time Accuracy Test) (Date/Time): 10/10/2022 10:00

© 2022 by Applied Technologies Applied Chemical Compliance Systems

GC Oven Temperature Accuracy Test Report

Page

© 2022 by Applied Technologies Applied Chemical Compliance Systems

GC Oven Temperature Accuracy

Procedure

The test uses a calibrated digital thermometer to determine the accuracy of the GC oven. Accuracy is calculated as the absolute difference between the measured temperature and setpoint.

Configuration Details

Name: 1000

Report: Temperature 100.0 °C 100.0 °C

Time: 10:00 Date: 10/10/2022

Measurements and Results

Probe: A single probe is used for this routine

Temp: Temperature

Units: 100.0 °C

Accuracy: 0.0 °C

Applied Recommendation: no 1.4.3 0.5 degrees or 0.5 0.5 °C 0.5 °C

Accepted Status: Pass Rule: 1

Created (Date/Time Accuracy Test) (Date/Time): 10/10/2022 10:00

© 2022 by Applied Technologies Applied Chemical Compliance Systems

GC Oven Temperature Stability

Procedure

The test uses a calibrated digital thermometer to determine the stability of the oven temperature. Stability is measured as the difference between the highest and lowest measured temperatures.

Configuration Details

Name: 1000

Report: Temperature 100.0 °C 100.0 °C

Time: 10:00 Date: 10/10/2022

Measurements and Results

Probe: A single probe is used for this routine

Temp: Temperature

Units: 100.0 °C

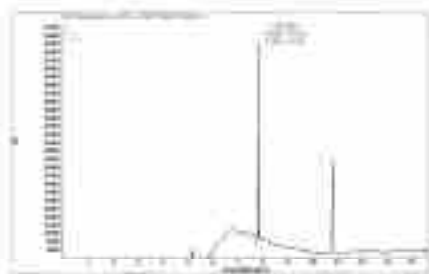
Accuracy: 0.0 °C

Applied Recommendation: no 1.4.3 0.5 degrees or 0.5 0.5 °C 0.5 °C

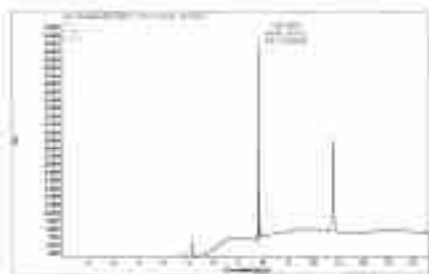
Accepted Status: Pass Rule: 1

Created (Date/Time Stability Test) (Date/Time): 10/10/2022 10:00

Acquisition system: ChemStation
 Acquisition method: GC1201A_0001_01.M
 Data file associated to this method: GC1201A_0001_01.M
 Acquisition Date: 22-Feb-2011 13:34



Acquisition system: ChemStation
 Acquisition method: GC1201A_0001_01.M
 Data file associated to this method: GC1201A_0001_01.M
 Acquisition Date: 22-Feb-2011 13:34

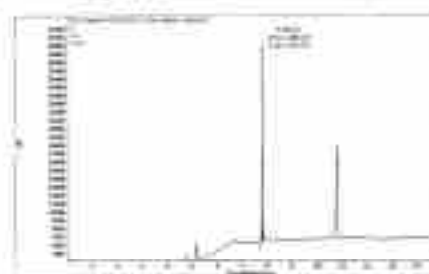


Date: February 22, 2011 13:34 PM
 System ID: L04 122101_01100001

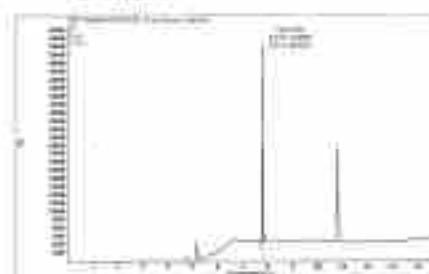
Page 10 of 11

Uncontrolled Document

Acquisition system: ChemStation
 Acquisition method: GC1201A_0001_01.M
 Data file associated to this method: GC1201A_0001_01.M
 Acquisition Date: 22-Feb-2011 13:34



Acquisition system: ChemStation
 Acquisition method: GC1201A_0001_01.M
 Data file associated to this method: GC1201A_0001_01.M
 Acquisition Date: 22-Feb-2011 13:34

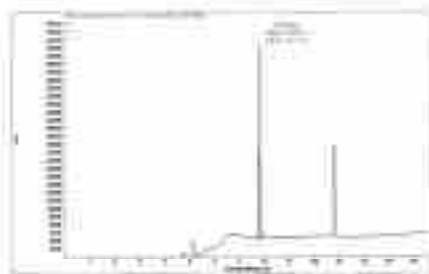


Date: February 22, 2011 13:34 PM
 System ID: L04 122101_01100001

Page 11 of 11

Uncontrolled Document

Acquisition system: ChemStation
 Acquisition method: GC1201A_0001_01.M
 Data file associated to this method: GC1201A_0001_01.M
 Acquisition Date: 22-Feb-2011 13:34



Signal-to-Noise Ratio

Data

Signal to Noise

Parameters

This tool uses a statistical algorithm to estimate signal-to-noise.

Equation

S/N = (Peak Height - Baseline) / (Peak Width)

Configuration Method

Method (User Defined)

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Signal-to-Noise

Date: February 22, 2011 13:34 PM
 System ID: L04 122101_01100001

Page 12 of 11

Uncontrolled Document

Date: February 22, 2011 13:34 PM
 System ID: L04 122101_01100001

Page 13 of 11

Uncontrolled Document

Integration Requirements

Type of Integration	Integrated
Integration Count	5
Customer Index	
Business/Operational Model	Assessing
Value Chain Development	Yes
Global Reach/Market	0.01
Global Sales Region	0
Global Supply Region	1.00
Global Talent Index	
Integration Type	Strategic
Integration	CRM
Integration	Yes
Integration	Yes
Acquisition type/size	Acquisitive/Small
Acquisition # of employees	250,000, 50,000
Does the product fit the target	Yes, No, N/A
Acquisition Value	\$14.4M, \$2.1M, \$1.5M

Uncontrolled Document



² *Chrysomelids* by *pulling*, *Wyn. Brown*

Journal of Management Education 33(10):1131-1141

Copyright © 2004 John Wiley & Sons, Ltd.

Uncontrolled Document

Notes and References

—

¹ The full derivation for eqs. (1) and (2) is given in eqs. (10) and (11) of the Appendix. The eqs. (1) and (2) are derived by assuming that the value of α is constant at the composition of the monomer, i.e., $\alpha = \alpha_0$ (eq. (1)) or $\alpha = \alpha_1$ (eq. (2)).

Group 1

Copyright © 2004 John Wiley & Sons, Ltd.

Country/Region	Year	Rate	Rate	Rate
World	1990	100	100	100
Europe	1990	100	100	100
Asia	1990	100	100	100
North America	1990	100	100	100
South America	1990	100	100	100
Africa	1990	100	100	100
Oceania	1990	100	100	100

Parameter	Base Page(s)	199	200
Results based on uncorrelated data for 1000000 pages (iteration 1000)			

[illegible]

Quota 1 average (day) (mm)	17.9	mm
Quota 1 average (night) (mm)	16.8	mm
Totals:		
Quota 1 (average) (mm)	17.3	mm

[illegible]

Topic	all
Keywords	all keywords

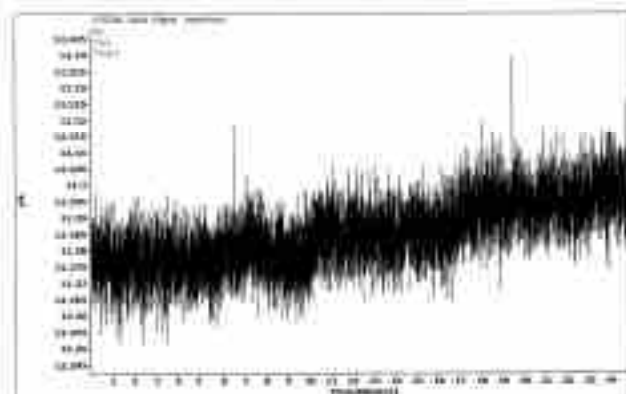
[illegible]

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 259–266

[illegible]

Uncontrolled Document

Acquisition system	Geant4 v4.10.3
Acquisition hardware	STANIS, STANIS-PC-AP
Data file produced by the code	Geo4-CTF097-PC-AP-1.0
Algorithm/Code	STANIS v2.00-00
Source Type	AGF
Source Volume	0.00007
Source activity (Bq)	0.0
Source geometry	SPS
SPS Energy	0.00000

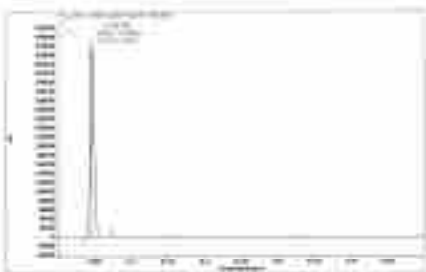


Downloaded from ascelibrary.org by Seattle University on 06/01/15. Copyright ASCE, For All Rights Reserved, No part of this document may be reproduced without written permission from ASCE.

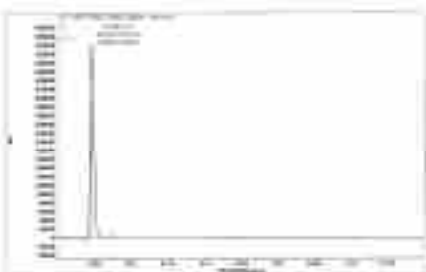
10

Uncontrolled Document

Acquisition system: Benchtop GC/MS
 Acquisition method: C000001_36Pa-6
 Data file associated with this run: C:_GC7000_1\001_36Pa-6.D
 Acquisition Date: 12 Feb 2011 11:55:10



Acquisition system: Benchtop GC/MS
 Acquisition method: C000001_36Pa-6
 Data file associated with this run: C:_GC7000_1\001_36Pa-6.D
 Acquisition Date: 12 Feb 2011 11:55:10

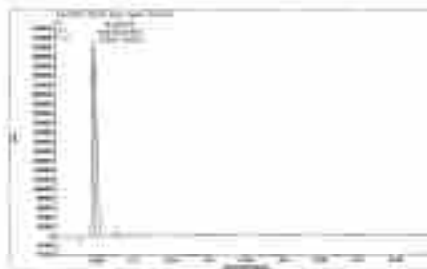


Date: February 12, 2011 11:55:10
 System ID: C:_GC7000_1\001_36Pa-6.D

Page 40 of 111

Uncontrolled Document

Acquisition system: Benchtop GC/MS
 Acquisition method: C000001_36Pa-6
 Data file associated with this run: C:_GC7000_1\001_36Pa-6.D
 Acquisition Date: 12 Feb 2011 11:55:10



Quantitative Results: 12/2/2011

Peak

Date: February 12, 2011 11:55:10
 System ID: C:_GC7000_1\001_36Pa-6.D

Page 41 of 111

Uncontrolled Document

Signal to Noise

Program: C:_GC7000_1\001_36Pa-6.D
 Data file associated with this run: C:_GC7000_1\001_36Pa-6.D

Acquisition

Acquisition system: Benchtop GC/MS

Acquisition Method

Parameter	Value	Unit	Min	Max
Acquisition Date	12 Feb 2011			

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Acquisition

Date: February 12, 2011 11:55:10
 System ID: C:_GC7000_1\001_36Pa-6.D

Page 42 of 111

Uncontrolled Document

Acquisition system: Benchtop GC/MS
 Acquisition method: C000001_36Pa-6
 Data file associated with this run: C:_GC7000_1\001_36Pa-6.D
 Acquisition Date: 12 Feb 2011 11:55:10

Date: February 12, 2011 11:55:10
 System ID: C:_GC7000_1\001_36Pa-6.D

Page 43 of 111

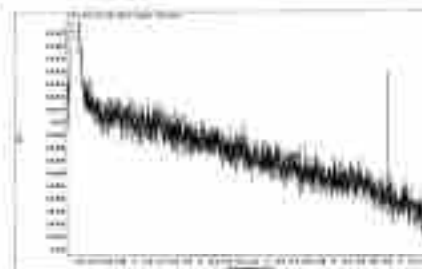
Uncontrolled Document

Competitive Experiments

[illegible]

Uncontrolled Document

Acquisition location	Spring Hill, Tenn.
Acquisition method	1000215, 501 M
Date first processed by this unit	17 Jul 78, 21:31
Acquisition class	20-Aug-78, 10:45:00



Downloaded from ascelibrary.org by University of California, San Diego on 06/01/15. Copyright ASCE, For All Rights Reserved, No part of this document may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage or retrieval system, without permission in writing from ASCE.

10

Uncontrolled Document

Declaration of Change Control

[illegible]

Uncontrolled Document

Attachments

Training Requirements: The student is required to complete a 40-hour classroom-based training certificate in the Equipment Maintenance Program (EMT). Following ASET classroom-based training, students may be eligible to receive a license in the following: Domestic Commercial Truck (DMT), BLP, AUSA, and/or a California Commercial and General Contractors, and the ASET Technician (AST). The student must successfully complete all pre-requisite training as documented in the ASET Job Entry Management System called *Access* (www.aset.org).

Code	Category	Assessment Name	Page
0001	General	ACB Self-Inspection Certificate	61
0002	General	Customer's training certificate and qualifications	62
0003	General	Customer's training certificate and qualifications	63
0004	General	Customer's training certificate and qualifications	64
0005	General	Customer's training certificate and qualifications	65
0006	General	Customer's training certificate and qualifications	66
0007	General	Customer's training certificate and qualifications	67
0008	General	Customer's training certificate and qualifications	68
0009	General	Customer's training certificate and qualifications	69
0010	General	Customer's training certificate and qualifications	70
0011	General	Customer's training certificate and qualifications	71
0012	General	Customer's training certificate and qualifications	72
0013	General	Customer's training certificate and qualifications	73
0014	General	Customer's training certificate and qualifications	74
0015	General	Customer's training certificate and qualifications	75
0016	General	Customer's training certificate and qualifications	76
0017	General	Customer's training certificate and qualifications	77
0018	General	Customer's training certificate and qualifications	78
0019	General	Customer's training certificate and qualifications	79
0020	General	Customer's training certificate and qualifications	80
0021	General	Customer's training certificate and qualifications	81
0022	General	Customer's training certificate and qualifications	82
0023	General	Customer's training certificate and qualifications	83
0024	General	Customer's training certificate and qualifications	84
0025	General	Customer's training certificate and qualifications	85
0026	General	Customer's training certificate and qualifications	86
0027	General	Customer's training certificate and qualifications	87
0028	General	Customer's training certificate and qualifications	88
0029	General	Customer's training certificate and qualifications	89
0030	General	Customer's training certificate and qualifications	90
0031	General	Customer's training certificate and qualifications	91
0032	General	Customer's training certificate and qualifications	92
0033	General	Customer's training certificate and qualifications	93
0034	General	Customer's training certificate and qualifications	94
0035	General	Customer's training certificate and qualifications	95
0036	General	Customer's training certificate and qualifications	96
0037	General	Customer's training certificate and qualifications	97
0038	General	Customer's training certificate and qualifications	98
0039	General	Customer's training certificate and qualifications	99
0040	General	Customer's training certificate and qualifications	100

Uncontrolled Document

Version:

Document Name: A-2 Agile Qualification Certificate

Agile Technologies

Agile Competence Engine Self-Declaration

Date: January 24, 2023 09:17:54

Reference ID: 2023046

Module Name(s):

A-2 Agile Qualification

Agile Technologies hereby certifies that the Agile Competence Engine Self-Declaration is a true and accurate representation of the Agile Competence Engine Self-Declaration. The Agile Competence Engine Self-Declaration is a true and accurate representation of the Agile Competence Engine Self-Declaration. The Agile Competence Engine Self-Declaration is a true and accurate representation of the Agile Competence Engine Self-Declaration.

Competence Area	Competence Level	Status
Agile Competence Engine Self-Declaration	1	Completed
Agile Competence Engine Self-Declaration	2	Completed
Agile Competence Engine Self-Declaration	3	Completed
Agile Competence Engine Self-Declaration	4	Completed
Agile Competence Engine Self-Declaration	5	Completed
Agile Competence Engine Self-Declaration	6	Completed
Agile Competence Engine Self-Declaration	7	Completed
Agile Competence Engine Self-Declaration	8	Completed
Agile Competence Engine Self-Declaration	9	Completed
Agile Competence Engine Self-Declaration	10	Completed
Agile Competence Engine Self-Declaration	11	Completed
Agile Competence Engine Self-Declaration	12	Completed
Agile Competence Engine Self-Declaration	13	Completed
Agile Competence Engine Self-Declaration	14	Completed
Agile Competence Engine Self-Declaration	15	Completed
Agile Competence Engine Self-Declaration	16	Completed
Agile Competence Engine Self-Declaration	17	Completed
Agile Competence Engine Self-Declaration	18	Completed
Agile Competence Engine Self-Declaration	19	Completed
Agile Competence Engine Self-Declaration	20	Completed

Total Competence Level:

20/20

Date: January 24, 2023 09:17:54
Version ID: 2023046

Page 1 of 1

Uncontrolled Document

Version:

Document Name: Agile Qualification Certificate and Qualifications

Agile Technologies

Certificate of Completion

Competence Area	Agile Competence Engine
Competence Level	20/20 (100%)
Competence Date	Jan 24, 2023
Competence Status	Completed

All Rights Reserved. Agile Technologies is a registered trademark of Agile Technologies.

Agile Technologies hereby certifies that the Agile Competence Engine Self-Declaration is a true and accurate representation of the Agile Competence Engine Self-Declaration. The Agile Competence Engine Self-Declaration is a true and accurate representation of the Agile Competence Engine Self-Declaration. The Agile Competence Engine Self-Declaration is a true and accurate representation of the Agile Competence Engine Self-Declaration.

Date: January 24, 2023 09:17:54
Version ID: 2023046

Page 1 of 1

Uncontrolled Document

Version:

Document Name: Agile Qualification Certificate and Qualifications

Agile Technologies

Certificate of Completion

Competence Area	Agile Competence Engine
Competence Level	20/20 (100%)
Competence Date	Jan 24, 2023
Competence Status	Completed

All Rights Reserved. Agile Technologies is a registered trademark of Agile Technologies.

Agile Technologies hereby certifies that the Agile Competence Engine Self-Declaration is a true and accurate representation of the Agile Competence Engine Self-Declaration. The Agile Competence Engine Self-Declaration is a true and accurate representation of the Agile Competence Engine Self-Declaration. The Agile Competence Engine Self-Declaration is a true and accurate representation of the Agile Competence Engine Self-Declaration.

Version:

Document Name: Agile Qualification Certificate and Qualifications

Agile Technologies

Certificate of Completion

Competence Area	Agile Competence Engine
Competence Level	20/20 (100%)
Competence Date	Jan 24, 2023
Competence Status	Completed

All Rights Reserved. Agile Technologies is a registered trademark of Agile Technologies.

Agile Technologies hereby certifies that the Agile Competence Engine Self-Declaration is a true and accurate representation of the Agile Competence Engine Self-Declaration. The Agile Competence Engine Self-Declaration is a true and accurate representation of the Agile Competence Engine Self-Declaration. The Agile Competence Engine Self-Declaration is a true and accurate representation of the Agile Competence Engine Self-Declaration.

Date: January 24, 2023 09:17:54
Version ID: 2023046

Page 1 of 1

Uncontrolled Document

Date: January 24, 2023 09:17:54
Version ID: 2023046

Page 1 of 1

Uncontrolled Document

Document Name

Certificate of Calibration - Measurement

Scope

1. This certificate is issued for the purpose of certifying the accuracy of the following instruments when used for the measurement of the concentration of the following analytes in the following matrices:
 - 1.1. Analyte: Lead (Pb) in water
 - 1.2. Matrix: Tap water
2. The instruments are calibrated against the following standards:
 - 2.1. Standard: Lead (Pb) in water
 - 2.2. Standard: Lead (Pb) in water
3. The instruments are calibrated against the following standards:
 - 3.1. Standard: Lead (Pb) in water
 - 3.2. Standard: Lead (Pb) in water
4. The instruments are calibrated against the following standards:
 - 4.1. Standard: Lead (Pb) in water
 - 4.2. Standard: Lead (Pb) in water
5. The instruments are calibrated against the following standards:
 - 5.1. Standard: Lead (Pb) in water
 - 5.2. Standard: Lead (Pb) in water
6. The instruments are calibrated against the following standards:
 - 6.1. Standard: Lead (Pb) in water
 - 6.2. Standard: Lead (Pb) in water
7. The instruments are calibrated against the following standards:
 - 7.1. Standard: Lead (Pb) in water
 - 7.2. Standard: Lead (Pb) in water
8. The instruments are calibrated against the following standards:
 - 8.1. Standard: Lead (Pb) in water
 - 8.2. Standard: Lead (Pb) in water
9. The instruments are calibrated against the following standards:
 - 9.1. Standard: Lead (Pb) in water
 - 9.2. Standard: Lead (Pb) in water
10. The instruments are calibrated against the following standards:
 - 10.1. Standard: Lead (Pb) in water
 - 10.2. Standard: Lead (Pb) in water

Date: 11/05/2011 11:11 AM
System ID: 11111111111111111111

Page 1 of 1

Uncontrolled Document

Document Name

Certificate of Calibration - Measurement

CERTIFICATE OF CALIBRATION

No. 11111111
Date of Issue: 11/05/2011

Issue By: 11111111111111111111

For: 11111111
Instrument: 11111111
Calibration: 11111111

Scope of Calibration: The purpose of this calibration is to ensure the accuracy of the following instruments when used for the measurement of the concentration of the following analytes in the following matrices:

Instrument	11111111	11111111	11111111	11111111	11111111
11111111	11111111	11111111	11111111	11111111	11111111
11111111	11111111	11111111	11111111	11111111	11111111
11111111	11111111	11111111	11111111	11111111	11111111
11111111	11111111	11111111	11111111	11111111	11111111

Instrument	11111111	11111111	11111111	11111111	11111111
11111111	11111111	11111111	11111111	11111111	11111111
11111111	11111111	11111111	11111111	11111111	11111111
11111111	11111111	11111111	11111111	11111111	11111111
11111111	11111111	11111111	11111111	11111111	11111111

1. The purpose of this calibration is to ensure the accuracy of the following instruments when used for the measurement of the concentration of the following analytes in the following matrices:

2. The purpose of this calibration is to ensure the accuracy of the following instruments when used for the measurement of the concentration of the following analytes in the following matrices:

3. The purpose of this calibration is to ensure the accuracy of the following instruments when used for the measurement of the concentration of the following analytes in the following matrices:

Date: 11/05/2011 11:11 AM
System ID: 11111111111111111111

Page 1 of 1

Uncontrolled Document

Document Name

Certificate of Calibration - Measurement

Document Name

Certificate of Calibration - Measurement

CERTIFICATE OF CALIBRATION

No. 11111111
Date of Issue: 11/05/2011

Issue By: 11111111111111111111

For: 11111111
Instrument: 11111111
Calibration: 11111111

Scope of Calibration: The purpose of this calibration is to ensure the accuracy of the following instruments when used for the measurement of the concentration of the following analytes in the following matrices:

Instrument	11111111	11111111	11111111	11111111	11111111
11111111	11111111	11111111	11111111	11111111	11111111
11111111	11111111	11111111	11111111	11111111	11111111
11111111	11111111	11111111	11111111	11111111	11111111
11111111	11111111	11111111	11111111	11111111	11111111

1. The purpose of this calibration is to ensure the accuracy of the following instruments when used for the measurement of the concentration of the following analytes in the following matrices:

2. The purpose of this calibration is to ensure the accuracy of the following instruments when used for the measurement of the concentration of the following analytes in the following matrices:

Date: 11/05/2011 11:11 AM
System ID: 11111111111111111111

Page 1 of 1

Uncontrolled Document

Date: 11/05/2011 11:11 AM
System ID: 11111111111111111111

Page 1 of 1

Uncontrolled Document

Document Name

Exporting of Calibration Parameters Report

Date

This document is a report generated by the Agilent ChemStation software. It contains information about the calibration parameters for the instrument. The report is generated by the software and is not intended to be used as a reference for the instrument's performance.

The report contains information about the calibration parameters for the instrument. It includes information about the instrument's performance, the calibration parameters, and the results of the calibration.

The report is generated by the software and is not intended to be used as a reference for the instrument's performance. It is intended to be used as a reference for the instrument's performance.

The report contains information about the calibration parameters for the instrument. It includes information about the instrument's performance, the calibration parameters, and the results of the calibration.

The report is generated by the software and is not intended to be used as a reference for the instrument's performance. It is intended to be used as a reference for the instrument's performance.

The report contains information about the calibration parameters for the instrument. It includes information about the instrument's performance, the calibration parameters, and the results of the calibration.

The report is generated by the software and is not intended to be used as a reference for the instrument's performance. It is intended to be used as a reference for the instrument's performance.

The report contains information about the calibration parameters for the instrument. It includes information about the instrument's performance, the calibration parameters, and the results of the calibration.

The report is generated by the software and is not intended to be used as a reference for the instrument's performance. It is intended to be used as a reference for the instrument's performance.

The report contains information about the calibration parameters for the instrument. It includes information about the instrument's performance, the calibration parameters, and the results of the calibration.

Date: February 21, 2022 11:17 AM
 System ID: 1047718.007_204400007

Page 11 of 11

Uncontrolled Document

Document Name

Exporting of Calibration Parameters Report

CERTIFICATE OF CALIBRATION

Rev: 1.0 (2020/06)

Date of Issue: 09th September 2021

Name of Issue: 1047718

Issue No: 1047718.007_204400007

Tag: 1047718
 Instrument Name: 1047718.007_204400007
 Instrument ID: 1047718.007_204400007

Details of Calibration

The details of the calibration are given in the table below. The details of the calibration are given in the table below.

Calibration Parameter	Unit	Calibration Value	Calibration Error	Calibration Tolerance
1.1	1.1	1.1	1.1	1.1
1.2	1.2	1.2	1.2	1.2
1.3	1.3	1.3	1.3	1.3
1.4	1.4	1.4	1.4	1.4
1.5	1.5	1.5	1.5	1.5

Calibration Parameter	Unit	Calibration Value	Calibration Error	Calibration Tolerance
2.1	2.1	2.1	2.1	2.1
2.2	2.2	2.2	2.2	2.2
2.3	2.3	2.3	2.3	2.3
2.4	2.4	2.4	2.4	2.4
2.5	2.5	2.5	2.5	2.5

The details of the calibration are given in the table below. The details of the calibration are given in the table below.

The details of the calibration are given in the table below. The details of the calibration are given in the table below.

Signature: [Signature]
 Date: 09/09/2021

Date: February 21, 2022 11:17 AM
 System ID: 1047718.007_204400007

Page 10 of 10

Uncontrolled Document

Document Name

Exporting of Calibration Parameters Report

Document Name

Exporting of Calibration Parameters Report

CERTIFICATE OF CALIBRATION

Rev: 1.0 (2020/06)

Date of Issue: 09th September 2021

Name of Issue: 1047718

Issue No: 1047718.007_204400007

Tag: 1047718

Instrument Name: 1047718.007_204400007

Instrument ID: 1047718.007_204400007

Tag: 1047718

Instrument Name: 1047718.007_204400007

Instrument ID: 1047718.007_204400007

Tag: 1047718

Instrument Name: 1047718.007_204400007

Instrument ID: 1047718.007_204400007

Tag: 1047718

Instrument Name: 1047718.007_204400007

Instrument ID: 1047718.007_204400007

Tag: 1047718

Instrument Name: 1047718.007_204400007

Instrument ID: 1047718.007_204400007

Tag: 1047718

Instrument Name: 1047718.007_204400007

Instrument ID: 1047718.007_204400007

Tag: 1047718

Instrument Name: 1047718.007_204400007

Instrument ID: 1047718.007_204400007

Tag: 1047718

Instrument Name: 1047718.007_204400007

Instrument ID: 1047718.007_204400007

Tag: 1047718

Instrument Name: 1047718.007_204400007

Instrument ID: 1047718.007_204400007

Tag: 1047718

Instrument Name: 1047718.007_204400007

Instrument ID: 1047718.007_204400007

Tag: 1047718

Instrument Name: 1047718.007_204400007

Instrument ID: 1047718.007_204400007

Tag: 1047718

Instrument Name: 1047718.007_204400007

Instrument ID: 1047718.007_204400007

Tag: 1047718

Instrument Name: 1047718.007_204400007

Instrument ID: 1047718.007_204400007

Tag: 1047718

Instrument Name: 1047718.007_204400007

Instrument ID: 1047718.007_204400007

Tag: 1047718

Instrument Name: 1047718.007_204400007

Instrument ID: 1047718.007_204400007

Tag: 1047718

Date: February 21, 2022 11:17 AM
 System ID: 1047718.007_204400007

Page 10 of 10

Uncontrolled Document

Date: February 21, 2022 11:17 AM
 System ID: 1047718.007_204400007

Page 10 of 10

Uncontrolled Document

Year	Representative Name	Party/ Movement	Type of Candidate	General Comments
1990-1991	James H. Thompson, Jr. James H. Thompson, Jr. 1990-1991	None	Appointed President Thompson, James H. 1990-1991 1990-1991 1990-1991	Thompson, James H. 1990-1991 1990-1991 1990-1991
1992-1993	James H. Thompson, Jr. 1992-1993	None	Appointed President Thompson, James H. 1992-1993 1992-1993	Thompson, James H. 1992-1993 1992-1993 1992-1993
1994-1995	James H. Thompson, Jr. 1994-1995	None	Appointed President Thompson, James H. 1994-1995 1994-1995	Thompson, James H. 1994-1995 1994-1995 1994-1995
1996-1997	James H. Thompson, Jr. 1996-1997	None	Appointed President Thompson, James H. 1996-1997 1996-1997	Thompson, James H. 1996-1997 1996-1997 1996-1997
1998-1999	James H. Thompson, Jr. 1998-1999	None	Appointed President Thompson, James H. 1998-1999 1998-1999	Thompson, James H. 1998-1999 1998-1999 1998-1999
2000-2001	James H. Thompson, Jr. 2000-2001	None	Appointed President Thompson, James H. 2000-2001 2000-2001	Thompson, James H. 2000-2001 2000-2001 2000-2001
2002-2003	James H. Thompson, Jr. 2002-2003	None	Appointed President Thompson, James H. 2002-2003 2002-2003	Thompson, James H. 2002-2003 2002-2003 2002-2003
2004-2005	James H. Thompson, Jr. 2004-2005	None	Appointed President Thompson, James H. 2004-2005 2004-2005	Thompson, James H. 2004-2005 2004-2005 2004-2005
2006-2007	James H. Thompson, Jr. 2006-2007	None	Appointed President Thompson, James H. 2006-2007 2006-2007	Thompson, James H. 2006-2007 2006-2007 2006-2007
2008-2009	James H. Thompson, Jr. 2008-2009	None	Appointed President Thompson, James H. 2008-2009 2008-2009	Thompson, James H. 2008-2009 2008-2009 2008-2009
2010-2011	James H. Thompson, Jr. 2010-2011	None	Appointed President Thompson, James H. 2010-2011 2010-2011	Thompson, James H. 2010-2011 2010-2011 2010-2011

Abstract 10

[illegible][illegible][illegible]

—

[illegible]

Keywords: *Self-esteem, self-esteem threat, self-esteem threat effects, self-esteem threat effects on self-esteem, self-esteem threat effects on self-esteem, self-esteem threat effects on self-esteem*

Calibration Report

[illegible]

Downloaded from <http://ajphaphapublications.sagepub.com> at 10:06 04 October 2014

00000000-0000

Downloaded from <http://www.jstor.org/stable/2346092> on Tue, 20 Jun 2016 12:05:05 UTC
All use subject to [JSTOR Terms and Conditions](#)

Cell Number	Sample Temperature (°C)	Conversion (%)	Conversion + 72h
10	100.0	0.1	0.00
20	100.0	0.1	0.00
30	100.0	0.1	0.00

10

— *Journal of the American Medical Association*

^a The average number of cases per country is given. Detailed information on the number of cases per country is available in the appendix.

© 2000 Blackwell Science Ltd *Journal of Internal Medicine* 247: 395–402

เอกสารไม่ควบคุม

Certificate of Calibration

[illegible]

Author Linkat Analysis and Engineering Consultancy Company Limited
1001 Udomrak, 41 Sukhumvit Road,
Bangkok, Pratumwan, Bangkok 10110 Thailand

Stressor (Cause)	Temperature	CO ₂	pH	Salinity	DO
Climate Change	↑	↑	↓	↑	↓
Deforestation	↑	↑	↓	↑	↓
Urbanization	↑	↑	↓	↑	↓
Agriculture	↑	↑	↓	↑	↓
Industry	↑	↑	↓	↑	↓
Waste Management	↑	↑	↓	↑	↓
Water Pollution	↑	↑	↓	↑	↓
Overfishing	↑	↑	↓	↑	↓
Marine Pollution	↑	↑	↓	↑	↓
Coastal Development	↑	↑	↓	↑	↓
Sea Level Rise	↑	↑	↓	↑	↓
Acidification	↑	↑	↓	↑	↓
Oxygen Depletion	↑	↑	↓	↑	↓
Algal Blooms	↑	↑	↓	↑	↓
Dead Zones	↑	↑	↓	↑	↓
Loss of Biodiversity	↑	↑	↓	↑	↓
Climate Change	↑	↑	↓	↑	↓
Deforestation	↑	↑	↓	↑	↓
Urbanization	↑	↑	↓	↑	↓
Agriculture	↑	↑	↓	↑	↓
Industry	↑	↑	↓	↑	↓
Waste Management	↑	↑	↓	↑	↓
Water Pollution	↑	↑	↓	↑	↓
Overfishing	↑	↑	↓	↑	↓
Marine Pollution	↑	↑	↓	↑	↓
Coastal Development	↑	↑	↓	↑	↓
Sea Level Rise	↑	↑	↓	↑	↓
Acidification	↑	↑	↓	↑	↓
Oxygen Depletion	↑	↑	↓	↑	↓
Algal Blooms	↑	↑	↓	↑	↓
Dead Zones	↑	↑	↓	↑	↓
Loss of Biodiversity	↑	↑	↓	↑	↓

Publication Place: Environment Laboratory, 20220 Pathumwanjorin Road,
20220 Sukhumvit Road, Bangkok,
Thailand, Bangkok 10110 Thailand

Indicator 1	Indicator 2
-------------	-------------

Chattanooga, Tenn.

The Westmont coast



© 2007 Blackwell Publishing Ltd
 Journal of Internal Medicine 261: 395–402
 DOI: 10.1111/j.1365-2796.2006.01700.x

Answer
 (Yes/No/Not Given)
 Answer is no


T.C. Milli Eğitim Bakanlığı
T.C. Yükseköğretim Bakanlığı

[illegible][illegible]

เอกสารไม่ควบคุม

Collective Results

and 28 months.

Input	pH Sensor Reading			Uncertainty of Measurement (mV)	Coverage Factor (k)
input	meas	dev (std)	corr		
-474.02	1474	20.12	2.00	0.00	2.00
-319.80	1319	0.26	1.00	0.00	2.00
286.6	986	3.00	3.00	0.00	2.00
270.40	127	-2.26	2.00	0.00	2.00
173.40	1174	-4.52	4.50	0.00	2.00
719.00	119	-4.50	0.00	0.00	2.00
50.10	30	-30.00	0.00	0.00	2.00
0	0	-30.00	7.00	0.00	2.00
407.00	40	3.10	0.00	0.00	2.00
-176.70	-140	0.30	0.00	0.00	2.00
-127.44	117	0.44	10.00	0.00	2.00
-200.40	200	0.04	171.00	0.00	2.00
-202.0	-200	-2.00	10.00	0.00	2.00
-260.00	-260	-0.00	70.00	0.00	2.00
-474.11	474	0.12	70.00	0.00	2.00

Practical steps and good points

The fluorescence collection setup described in the previous section was used to collect the fluorescence spectra of the polymer solutions. The fluorescence spectra were collected at 25 °C in the following solvents: CH₂Cl₂, CH₃OH, CH₃COOH, CH₃NO₂, CH₃SO₂CH₃, CH₃COCH₃, CH₃CH₂OH, CH₃CH₂NO₂, CH₃CH₂COOH, CH₃CH₂SO₂CH₃, CH₃CH₂COCH₃, CH₃CH₂CH₂OH, CH₃CH₂CH₂NO₂, CH₃CH₂CH₂COOH, CH₃CH₂CH₂SO₂CH₃, CH₃CH₂CH₂COCH₃, CH₃CH₂CH₂CH₂OH, CH₃CH₂CH₂CH₂NO₂, CH₃CH₂CH₂CH₂COOH, CH₃CH₂CH₂CH₂SO₂CH₃, CH₃CH₂CH₂CH₂COCH₃, CH₃CH₂CH₂CH₂CH₂OH, CH₃CH₂CH₂CH₂CH₂NO₂, CH₃CH₂CH₂CH₂CH₂COOH, CH₃CH₂CH₂CH₂CH₂SO₂CH₃, CH₃CH₂CH₂CH₂CH₂COCH₃, CH₃CH₂CH₂CH₂CH₂CH₂OH, CH₃CH₂CH₂CH₂CH₂CH₂NO₂, CH₃CH₂CH₂CH₂CH₂CH₂COOH, CH₃CH₂CH₂CH₂CH₂CH₂SO₂CH₃, CH₃CH₂CH₂CH₂CH₂CH₂COCH₃, CH₃CH₂CH₂CH₂CH₂CH₂CH₂OH, CH₃CH₂CH₂CH₂CH₂CH₂CH₂NO₂, CH₃CH₂CH₂CH₂CH₂CH₂CH₂COOH, CH₃CH₂CH₂CH₂CH₂CH₂CH₂SO₂CH₃, CH₃CH₂CH₂CH₂CH₂CH₂CH₂COCH₃, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂OH, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂NO₂, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂COOH, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂SO₂CH₃, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂COCH₃, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂OH, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂NO₂, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂COOH, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂SO₂CH₃, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂COCH₃, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂OH, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂NO₂, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂COOH, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂SO₂CH₃, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂COCH₃, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂OH, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂NO₂, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂COOH, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂SO₂CH₃, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂COCH₃, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂OH, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂NO₂, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂COOH, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂SO₂CH₃, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂COCH₃, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂OH, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂NO₂, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂COOH, CH₃CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂CH₂SO₂CH₃, CH₃CH₂CH

Copyright © 2009 by John Wiley & Sons, Inc.

The constant value of the denominator	37.31 (6W40)	-6.33%
---------------------------------------	--------------	--------

Free zone control of flow left unobstructed	0.00 g/s
---	----------

Journal of Management Education 36(7) 809-824

Sample Test Results

Stemmed Buffer Solution (g/L)	0.01 Molar Calcium (g/L)	0.005 Molar (g/L)	0.001 Molar (g/L)	0.0001 Molar (g/L)
0.001	0.001	0.001	0.001	0.001
0.005	0.005	0.005	0.005	0.005
0.01	0.01	0.01	0.01	0.01

¹ "Greatest Player" No. 220 (winner) is the greatest left hand talent in contemporary

The first of course



Certificate of Calibration

Equipment: Digital Thermometer with Probe
Model: SmartTemp 401
Serial No.: 020000010
Manufacturer: METTLER TOLEDO
SI No.: 000-WW0000000

Certificate No.: DT0000119
Issue Date: 16 April 2024
Lab No.: SAC-000000000
Page: 1 of 2
Condition: in Condition

Customer: Coltek Analytical and Engineering Consultant (Private) Ltd
333/3 Sukhumvit 41, Bangkok Road,
Bangkok, Phrasang, Bangkok 10260 Thailand

Environmental Condition: Temperature: 23 °C ± 0.5 °C
Humidity: 50 %RH ± 5 %RH
Voltage: 220 VAC ± 5 %

Calibration Place: Pricer High Technology (2024) Technology (Private)
333/3 Sukhumvit 41, Bangkok Road,
Phrasang, Bangkok 10260 Thailand

Calibration By: Mr. Nattawat Nattawat
Calibration Date: 16 April 2024
The Method used: In-house method, IEC 60751-1, by comparison with standard Platinum Resistor
Traceability: This certificate is based on the International System of Units maintained by
Bureau International des Poids et Mesures (BIPM) and the International System of Units (SI) maintained by
Bureau International des Poids et Mesures (BIPM)

Nattawat Nattawat
Person in Charge

Nattawat Nattawat
Authorized Signatory

This certificate is issued for the purpose of providing evidence of the measurement results of the equipment under test. It is not a statement of the accuracy of the equipment under test. The equipment under test is used for the purpose of providing evidence of the measurement results of the equipment under test. The equipment under test is used for the purpose of providing evidence of the measurement results of the equipment under test. The equipment under test is used for the purpose of providing evidence of the measurement results of the equipment under test.

Calibration Certificate No.: DT0000119
Calibration Date: 16 April 2024
Calibration Place: Pricer High Technology (2024) Technology (Private)
333/3 Sukhumvit 41, Bangkok Road,
Phrasang, Bangkok 10260 Thailand

เอกสารไม่ควบคุม
เอกสารไม่ควบคุม

Reference standard equipment

Equipment	Certificate No.	Cal. date	Next Cal. date
Digital Thermometer with Probe	DT0000119	16 Apr 2024	16 Apr 2025

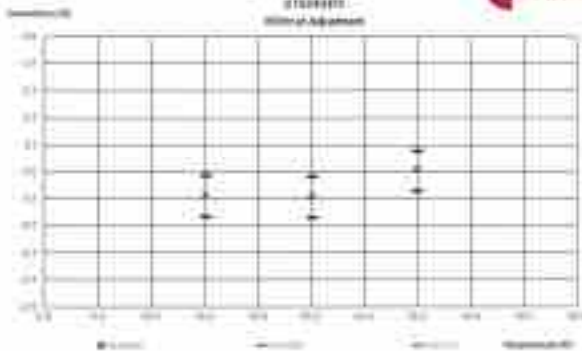
Calibration Results Without Adjustment

Device Type: RTD		Channel:	
Channel: 4		Length: 100	
		Temperature: 110	
Calculated Point (°C)	25°C Reading (°C)	100°C Reading (°C)	Temperature (°C)
10.0	10.010	10.0	10.010
10.0	10.010	10.0	10.010
10.0	10.010	10.0	10.010

The End of Certificate

Calibration Certificate No.: DT0000119
Calibration Date: 16 April 2024
Calibration Place: Pricer High Technology (2024) Technology (Private)
333/3 Sukhumvit 41, Bangkok Road,
Phrasang, Bangkok 10260 Thailand

เอกสารไม่ควบคุม
เอกสารไม่ควบคุม



CERTIFICATE OF CALIBRATION
This certificate is issued for the purpose of providing evidence of the measurement results of the equipment under test. It is not a statement of the accuracy of the equipment under test. The equipment under test is used for the purpose of providing evidence of the measurement results of the equipment under test. The equipment under test is used for the purpose of providing evidence of the measurement results of the equipment under test.



Certificate of Calibration

Equipment: Digital Thermometer
Model: SmartTemp 401
Serial No.: 020000010
SI No.: 000-WW0000000

Customer: Coltek Analytical and Engineering Consultant (Private) Ltd
333/3 Sukhumvit 41, Bangkok Road,
Bangkok, Phrasang, Bangkok 10260 Thailand

Location: Lab Floor 2

Received Date: 16 February 2024
Calibration Date: 16 February 2024
Adjusted Temperature: 1.00 ± 0.01 °C
Relative Humidity: (10 ± 1) %

Calibrated by: Nattawat Nattawat

Approved by:
Nattawat Nattawat

Check Date: 16 February 2024

This calibration certificate provides evidence of the measurement results of the equipment under test.

เอกสารไม่ควบคุม
เอกสารไม่ควบคุม



Equipment: EOC Module
 Condition As Received / Used Item
 Reference: JAS-02000-1
 Serial of Submitter: (1) Without Adjustment
 Position of MJCT: Temperature Source
 Fresh air setting: Not Available

Cert. No.: 2410005
 Page: 3 of 3

Calibration Point (°C)	ASR Reading	MJC Reading	Temperature stability (± 0.1°C)	Temperature uniformity (± 0.1°C)	Overall Temperature (± 0.1°C)	Overall Factor
20.0	20.1	19.9	0.01	0.01	0.0	0

Calibration Point (°C)	Measured Temperature (°C)								Uncertainty (°C)
	1	2	3	4	5	6	7	8	
20.0	19.971	19.891	19.928	19.886	19.975	19.888	19.970	19.888	0.00

Notes: The average of 30 values is used as the mean.
Temperature stability: Overall of the greatest maximum difference of measured temperatures at any two sensors.
Temperature uniformity: The maximum difference of measured temperatures at any sensors and the measured temperatures of the reference location, which are checked at the same time or at a given set observation time as possible to determine the temperature pattern or homogeneity within the chamber under steady-state conditions.
Overall Uniformity: The Difference of the measured and reference measured temperatures throughout observation (EWC) - (ASR) (Unit: Celsius).

Note: The reported uncertainty of measurement was obtained statistically and assessed carefully.
 The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k, providing a level of confidence of approximately 95 %.



Equipment: EOC Module
 Condition As Received / Used Item
 Reference: JAS-02000-1
 Serial of Submitter: (1) Without Adjustment
 Position of MJCT: Temperature Source
 Fresh air setting: Not Available

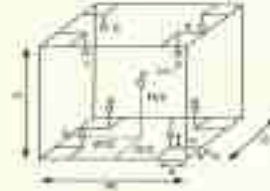
Cert. No.: 2410005
 Page: 3 of 3

Calibration was conducted using calibration procedure JAS-02000-1 based on JAS-02000-1 according to the measurement method with JAS-02000-1 which is consistent with National Temperature Detector (NTD).
 The temperature value used was based on JAS-02000-1.

Condition of the result of calibration:
 1. Reference standard instrument:
 Instrument: Serial No. Cert. No. Transducer Due Date
 1. Data Acquisition: MY1000011 2010001 TMA 27 Dec 2004

2. This certificate is valid only for the item calibrated on this purpose of calibration.
 3. This certificate is traceable to the International System of Units.
Remark: (1) - Temperature Measurement (Thermal - Japan)

Result of Calibration: (1) - Without Adjustment
Position of MJCT: Temperature Source
Fresh air setting: Not Available



Environment during calibration		
	Beginning	End
Temp. (°C)	20	20
Rel. Humidity (%)	50	50
At. Supply (m/s)	0.0	0.0

Position	Ref. Std. (°C)
1	20.000-0.01
2	20.000-0.01
3	20.000-0.01
4	20.000-0.01
5	20.000-0.01
6	20.000-0.01
7	20.000-0.01
8	20.000-0.01
9 (Avg.)	20.000-0.01

Room temperature range:
 19.5 to 20.5 °C
Dimension of Chamber:
 L = 100 mm, W = 100 mm, H = 100 mm
 Capacity = 0.001 m³

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม



CERTIFICATE OF CALIBRATION

Certificate No.: 2410005
 Page: 1 of 2
Customer: Global Analysis and Engineering Division Co., Ltd. (GAE)
Address: 111/1 Ladprao Rd., Ladprao Subdistrict, Bangkok, Thailand 10910
Location of calibration: Laboratory (1)
Equipment: TTY-Via Spectrophotometer
Manufacturer: Digital Technology
Model: Ceq 96
Serial No.: MY100000
ID No.: GAE-201000000
Received Date: 1 May 2004
Calibration Date: 1 May 2004
Issue Date: 5 May 2004
Condition Comments: Good

Calibrated by: [Signature]
 (Mr. [Name])
 Approved by: [Signature]
 (Mr. [Name])
 Technical Manager Quality Manager

No calibration certificate is issued for the instrument unless it is found to be in conformance with the requirements of the standard.
 The instrument is subject to the requirements of the standard and the instrument is subject to the requirements of the standard.



REPORT OF CALIBRATION

Certificate No.: 2410005
 Page: 2 of 2
Environment Condition: Ambient Temperature 20 ± 1 °C
Relative Humidity: 50 ± 5 % RH
Calibration method: Reference method (TTC) Standard JAS-02000-1
Certified Reference Materials:

Material	Serial No.	Cert. No.	Due Date
Standard Sample 1	2000	11000	21 October 2005
Standard Sample 2	2001	11001	21 October 2005
Working Sample 1	2002	11002	21 October 2005
Working Sample 2	2003	11003	21 October 2005

Traceability: This certificate is traceable to the International System of Units (SI) measurement as follows:
 Institute of Standards and Technology (NIST) through National Institute of Standards and Technology (NIST)

Expanded Uncertainty of EWC: 1.5 %
Scale Interval of EWC: 0.01 mm
Scale Interval of EWC: 0.01 mm
Resolution of EWC: 0.0001 mm
Working: 0.1 mm

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม



References

[illegible]

1990-1991	1991-1992	1992-1993
1993-1994	1994-1995	1995-1996

Copyright © 2006 John Wiley & Sons, Ltd.

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 105–112

เอกสารไม่ควบคุม



1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

U.S. Senator

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 291–297

Parameter	Standard (value of 100)	Reality (μg/L)	Rate of Management (μg/L)	Rate of Management (%)	Rate of Management (μg/L)
CO ₂	1000	0.100	0.000	0.00	0.0000
	1000	0.000	-0.000	-0.00	0.0000
	1.000	0.000	0.000	0.00	0.0000

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 277–286

Group	Control group (n = 30)	Exposure	Type of measurement	Type of measurement	Location
	Length	Length	Length	Area	Length
A)	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00

© 2006 Blackwell Publishing Ltd *Journal of Internal Medicine* 260: 379–386

Feature	Standard (Mean of 100)	Baseline	1 Set of Measurements	2 Sets of Measurements	3 Sets of Measurements
	Long	Short	Long	Long	Long
	0.000	0.000	0.000	0.000	0.000
W	0.020	0.000	0.000	0.000	0.000
	0.040	0.000	0.000	0.000	0.000
	0.060	0.000	0.000	0.000	0.000

Condition 8/19

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 103–110

เอกสารไม่ควบคุม

Reprints: \$10.00/1000

528

[illegible]

¹ D. F. Swearingen, unpublished data. Retrieved from <http://www.dswearingen.com>.

Variable	Operational Significance (H0)	Proposed Significance	Control Measurement	Control Measurement	Measurement
	Significance	Significance	Significance	Significance	Significance
1.01	0.000	0.000	0.000	0.000	0.000
1.02	0.000	0.000	0.000	0.000	0.000
1.03	0.000	0.000	0.000	0.000	0.000

U.S. Weather at Washington, Dec. 23rd, at 214.4 mm.

Variable	Univariate Odds Ratio (95% CI)	Adjusted Odds Ratio (95% CI)	Univariate Odds Ratio (95% CI)	Adjusted Odds Ratio (95% CI)
Age	1.02 (1.01, 1.03)	1.01 (1.00, 1.02)	1.01 (1.00, 1.02)	1.01 (1.00, 1.02)
Gender	1.01 (0.99, 1.03)	1.00 (0.98, 1.02)	1.00 (0.98, 1.02)	1.00 (0.98, 1.02)
Education	1.01 (1.00, 1.02)	1.01 (1.00, 1.02)	1.01 (1.00, 1.02)	1.01 (1.00, 1.02)
Income	1.01 (1.00, 1.02)	1.01 (1.00, 1.02)	1.01 (1.00, 1.02)	1.01 (1.00, 1.02)
Health Insurance	1.01 (1.00, 1.02)	1.01 (1.00, 1.02)	1.01 (1.00, 1.02)	1.01 (1.00, 1.02)

Source: U.S. Department of Energy, Energy Information Administration, <http://www.eia.doe.gov>.

[illegible]

Continued to April
1944

Approved by: S. M. M.
(Officer-in-Charge)
Director of Analytical Chemistry Laboratory
Issued Date: 11 March 2008

INSTITUTIONAL AND TECHNICAL AID: HUMAN RESOURCES, 1990
End of Landslide

David Little
 1015-11th Avenue North, Suite 1000
 Birmingham, Alabama 35203, U.S.A.
 Tel: +1 205 251 1000
 Fax: +1 205 251 1001
 E-mail: david@little.com

Offices:
 10100 Sargent Avenue, Suite 100, West
 Chester, Maryland 21156-1000, USA
 Tel: 410-338-1000 Fax: 410-338-1001
 Telex: 338100
 Email: info@wiley.com

เอกสารไม่ควบคุม

เอกสารไม่ควบคุม

Agent CrossLab Start Up Services:

Agilent 5100 5110 ICP-OES
Preventive Maintenance

Agree to receive laboratory productivity information directly by your e-mail.
 We will never share your information with third parties and we will ensure the accuracy of your results.

Indirectly, publicly shared data can affect the way in which people view the world, and the way in which they interact with it. For example, the data can be used to identify areas of the world that are at risk of environmental degradation, and to help people understand the causes of these problems. The data can also be used to identify areas of the world that are at risk of social and economic problems, and to help people understand the causes of these problems. The data can also be used to identify areas of the world that are at risk of natural disasters, and to help people understand the causes of these disasters. The data can also be used to identify areas of the world that are at risk of terrorism, and to help people understand the causes of these threats. The data can also be used to identify areas of the world that are at risk of disease, and to help people understand the causes of these diseases. The data can also be used to identify areas of the world that are at risk of poverty, and to help people understand the causes of these problems. The data can also be used to identify areas of the world that are at risk of conflict, and to help people understand the causes of these conflicts. The data can also be used to identify areas of the world that are at risk of environmental degradation, and to help people understand the causes of these problems. The data can also be used to identify areas of the world that are at risk of social and economic problems, and to help people understand the causes of these problems. The data can also be used to identify areas of the world that are at risk of natural disasters, and to help people understand the causes of these disasters. The data can also be used to identify areas of the world that are at risk of terrorism, and to help people understand the causes of these threats. The data can also be used to identify areas of the world that are at risk of disease, and to help people understand the causes of these diseases. The data can also be used to identify areas of the world that are at risk of poverty, and to help people understand the causes of these problems. The data can also be used to identify areas of the world that are at risk of conflict, and to help people understand the causes of these conflicts.

This model is intended as a guide to completing the assignment. The model is not a template. It is intended to be used as a guide to completing the assignment.

© 2000 Blackwell Science Ltd
Journal of Internal Medicine 247: 391–398
DOI: 10.1046/j.1365-2796.2000.01811.x



เอกสารไม่ควบคุม

^a Sample is 100% of respondents who responded to the question.



Introduction

Continued Information

- Customers should provide information regarding specific goals and aspects of the program
- A customer representative should be available to answer questions, provide program information and assist with the registration process
- In a pilot or evaluation, the Part 1501 question of the assessment will be part of the assessment. Therefore, information will not be fully shared in the case of the pilot.
- If a higher number of calls to the toll-free number are received, the toll-free number will be changed to a toll-free number that is not a toll-free number.
- The toll-free number will be changed to a toll-free number that is not a toll-free number.

Copyright © 2003 by John Wiley & Sons, Inc.



Important Commerce Web Sites

- To access the **Agilent** **Connectivity** web page, visit <http://www.agilent.com/chem/connected> between select technology partners, which include software development and instrumentation. A company's application for connectivity will need to be first determined and then submitted.
- To access the **Agilent Resource Center** webpage, visit <http://www.agilent.com> and click on **Resources**. The Resource Center provides the following:
 - Sample Prep and Certification
 - Chemical Standards
 - Analysts
 - Services and Support
 - Application Methods
- The **Agilent Community** is an excellent place to get answers, connect with others about applications in the Agilent product portfolio and to quickly share data and ideas around the Agilent technologies. Visit <http://www.agilent.com> to get Agilent community.
- **Agilent** also has a **Twitter** account that you can follow to stay up to date on the latest Agilent news. To find the **Agilent Twitter** account, visit <http://twitter.com/agilent>.
- **How to place a service call?** www.agilent.com, www.agilent.com

Received 10 October 2011; accepted 10 November 2011
Published online 12 December 2011 in Wiley Online Library
DOI: 10.1002/for.2210



เอกสารไม่ควบคุม

Received 4 February 2014; accepted 11 April 2014
 Copyright © 2014 John Wiley & Sons, Ltd.
 J. Raman Spectrosc. 45, 101–110 (2014)



เอกสารไม่ควบคุม

Service Engineer's Responsibilities

- Conduct the initial set-up before the initial assembly supplies are available before the printer has been received.
- Only select those pages that relate to the system or module being serviced.
- Complete any pages with the relevant information.
- Complete the correct checkboxes in the checklist using either a "X" or the words "N/A".
- Check "Service not applicable" check boxes only after a genuine/Agilent approved part is replaced.
- Signatory the 3D printer Maintenance checklist in the final stage of the visit and in the initial system service in the order of the table below.
- Complete the Service Review section together with the customer.
- Complete the table for signatories at the end of the printed page.
- Advise the customer to sign the printed page and complete the rest of the page first in the Service Completion section.
- Advise the customer to sign the Service Verification section including the customer's and your signatures.

Instrument Maintenance

System information

- ☐ Check the model 3D printer name and configuration against the attached record of the printing the table.

Instrument System Name and ID	8350-000001-00000000
Instrument System ID# and Location	000001, Bangkok, and Engineering, Sanulphat

Use these numbers to find the parts	Use the Serial Number to find the equipment
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20

ICP-OES Configuration Table	Circle the type or write in the space after
Model Name	Model Name (e.g., 8350-000001)
Serial Number	Serial Number (e.g., 000001-00000000)
System	System (e.g., 8350-000001)
System ID#	System ID# (e.g., 000001-00000000)
System Name	System Name (e.g., 8350-000001)
System ID#	System ID# (e.g., 000001-00000000)

Preparation:

1. Remove any parts from the printer with the customer before starting.
2. Remove the printer from the printer for the customer's printer and comments.
3. Remove the printer from the printer before starting the procedure.
4. Perform a general inspection of the system for cleanliness.
5. Check for proper installation of parts, when it is necessary.
6. Check the system for proper installation of components and proper installation of the printer.
7. Check for required firmware updates and verify with customer if they are the latest.
8. Perform a general inspection of the system for cleanliness and the system for the latest 3D printing.
9. Advise the customer to remove any and all information from the 3D printer before the printer is used.

Preventive Maintenance Procedures

Record Pre-PM Instrument performance

- ☐ After Instrument Performance test.
- ☐ Record results in instrument Performance Test Results Table in the PM.

Clean and inspect ICP-OES system

1. Check for any obvious external damage or problems.
2. Inspect the water cooling system, gas flow, and power supply for excessive wear or damage.
3. Perform a general external inspection of the system for excessive dust accumulation, when it necessary.
4. Inspect the sample introduction and burner assembly and inspect the burner in the Service Inspection Checklist and fill in the customer's printer and comments.
5. Inspect the instrument's water cooling system in the ICP-OES System Health Table.
6. Inspect the water cooling system.
7. Inspect the water cooling system.
8. Check the water flow for the water cooling system at the water cooling system and the water flow.
9. Inspect the water flow.
10. Inspect the water flow.
11. Inspect the water flow.
12. Inspect the water flow.

Agilent Water Circulation

- ☐ Service not applicable.
- ☐ Check the water flow and the water flow.
- ☐ Check the water flow and the water flow.
- ☐ Check the water flow and the water flow.
- ☐ Check the water flow and the water flow.

Reactivity Test			Pass
Standard Wavelength	Specification	Measured	
H (178.213 nm)	± 0.40	0.39	
Na (188.881 nm)	± 0.20	0.17	
C (187.467 nm)	± 0.08	0.26	
Hg (200.200 nm)	± 0.03	0.08	
Cd (200.546 nm)	± 0.40	0.09	
Zn (213.807 nm)	± 0.70	0.40	
Pb (220.353 nm)	± 0.60	0.34	
Cu (228.175 nm)	± 0.20	0.07	
Ni (231.424 nm)	± 0.40	0.20	
Mn (279.483 nm)	± 0.10	0.40	
Hg (283.535 nm)	± 0.20	0.11	
Co (287.796 nm)	± 0.20	0.08	
Li (283.535 nm)	± 0.03	0.07	
Fe (279.483 nm)	± 0.20	0.19	
Al (283.535 nm)	± 0.03	0.07	
As (200.200 nm)	± 0.03	0.07	
Se (225.405 nm)	± 0.03	0.07	
Br (266.131 nm)	± 0.03	0.07	
K (766.491 nm)	± 0.03	0.07	

Page 2 of 6

เอกสารไม่ควบคุม

Reactivity Test						Pass
Standard Wavelength	Specification	Method	Value	Standard	Mean	
As (188.881 nm)	± 0.5	2000	188.1	188.9	18.9	
Se (225.405 nm)	± 0.10	2000	225.0	225.0	22.0	
Br (266.131 nm)	± 0.40	2000	266.0	266.0	26.0	
Fe (279.483 nm)	± 0.40	2000	279.0	279.0	27.0	
Co (287.796 nm)	± 0.40	2000	287.0	287.0	28.0	
Ni (231.424 nm)	± 0.40	2000	231.0	231.0	23.0	
Mn (279.483 nm)	± 0.40	2000	279.0	279.0	27.0	
Hg (283.535 nm)	± 0.40	2000	283.0	283.0	28.0	
Li (283.535 nm)	± 0.40	2000	283.0	283.0	28.0	
Fe (279.483 nm)	± 0.40	2000	279.0	279.0	27.0	
Al (283.535 nm)	± 0.40	2000	283.0	283.0	28.0	
As (200.200 nm)	± 0.40	2000	200.0	200.0	20.0	
Se (225.405 nm)	± 0.40	2000	225.0	225.0	22.0	
Br (266.131 nm)	± 0.40	2000	266.0	266.0	26.0	
K (766.491 nm)	± 0.40	2000	766.0	766.0	76.0	

Page 2 of 6

เอกสารไม่ควบคุม

Reactivity Test			Pass
Standard Wavelength	Specification	Measured	
As (188.881 nm)	± 0.20	0.17	
Se (225.405 nm)	± 0.05	0.08	
Br (266.131 nm)	± 0.10	0.20	
Fe (279.483 nm)	± 0.10	0.17	
Co (287.796 nm)	± 0.10	0.20	
Ni (231.424 nm)	± 0.10	0.10	
Mn (279.483 nm)	± 0.10	0.10	
Hg (283.535 nm)	± 0.10	0.10	
Li (283.535 nm)	± 0.10	0.10	

Page 2 of 6

เอกสารไม่ควบคุม

Reactivity Test						Pass
Standard Wavelength	Specification	Method	Value	Standard	Mean	
As (188.881 nm)	± 0.20	2000	188.1	188.9	18.9	
Se (225.405 nm)	± 0.05	2000	225.0	225.0	22.0	
Br (266.131 nm)	± 0.10	2000	266.0	266.0	26.0	
Fe (279.483 nm)	± 0.10	2000	279.0	279.0	27.0	
Co (287.796 nm)	± 0.10	2000	287.0	287.0	28.0	
Ni (231.424 nm)	± 0.10	2000	231.0	231.0	23.0	
Mn (279.483 nm)	± 0.10	2000	279.0	279.0	27.0	
Hg (283.535 nm)	± 0.10	2000	283.0	283.0	28.0	
Li (283.535 nm)	± 0.10	2000	283.0	283.0	28.0	

Page 2 of 6

เอกสารไม่ควบคุม

[illegible]

เอกสารไม่ควบคุม

Sensitivity Index		P _{0.05}				
Factor		Seedlings	Seedbed	Roots	Stems	Stems
Ag (100,000 seed)	0.440	0.000	12.9	371.1	81.4	
Ba (100,000 seed)	0.410	0.000	10.0	366.1	75.0	
Ca (270,000 seed)	0.143.0	0.000	410.0	4437.7	153.4	
Al (200,000 seed)	0.480	0.000	307.2	4004.7	150.2	
Mg (200,000 seed)	0.300.0	0.000	1007.0	27100.0	400.1	
K (200,100 seed)	0.5.0	0.00	6.7	6000.0	200.0	
Fe (400,000 seed)	0.00.0	0.00	10.7	10000.0	1000.0	
Cl (200,000 seed)	0.0.0	0.00	4.3	10000.0	1000.0	
Add						
Factor		Seedlings	Seedbed	Roots	Stems	Stems
Ag (100,000 seed)	0.000.0	0.000	12.9	371.1	75.0	
Ba (100,000 seed)	0.000.0	0.000	10.0	366.1	75.0	
Ca (270,000 seed)	0.000.0	0.000	410.0	4437.7	153.4	
Al (200,000 seed)	0.000.0	0.000	307.2	4004.7	150.2	
Mg (200,000 seed)	0.000.0	0.000	1007.0	27100.0	400.1	
K (200,100 seed)	0.000.0	0.000	6.7	6000.0	200.0	
Fe (400,000 seed)	0.000.0	0.000	10.7	10000.0	1000.0	
Cl (200,000 seed)	0.000.0	0.000	4.3	10000.0	1000.0	
Ag (100,000 seed)	0.000.0	0.000	12.9	371.1	75.0	
Ba (100,000 seed)	0.000.0	0.000	10.0	366.1	75.0	
Ca (270,000 seed)	0.000.0	0.000	410.0	4437.7	153.4	
Al (200,000 seed)	0.000.0	0.000	307.2	4004.7	150.2	
Mg (200,000 seed)	0.000.0	0.000	1007.0	27100.0	400.1	
K (200,100 seed)	0.000.0	0.000	6.7	6000.0	200.0	
Fe (400,000 seed)	0.000.0	0.000	10.7	10000.0	1000.0	
Cl (200,000 seed)	0.000.0	0.000	4.3	10000.0	1000.0	

เอกสารไม่ควบคุม

Foliarite 1221		Phase	
Name			
Element, Symbol, #Z	Specification	Measured	Value % FSD
Fe (158.855 nm)	± 1.81	0.91	
Fe (160.122 nm)	± 1.81	0.94	
Co (235.857 nm)	± 1.86	0.82	
Fe (238.122 nm)	± 1.86	0.87	
Fe (277.815 nm)	± 1.89	0.49	
Ni (286.165 nm)	± 1.84	0.48	
Se (295.499 nm)	± 1.82	0.54	
K (766.481 nm)	± 1.84	0.14	
Total			
Element Wavelength	Specification	Measured	Value % FSD
Fe (158.855 nm)	± 1.81	0.81	
Fe (160.122 nm)	± 1.81	0.89	
Co (235.857 nm)	± 1.86	0.76	
Fe (238.122 nm)	± 1.86	0.81	
Co (277.815 nm)	± 1.89	0.34	
Fe (286.165 nm)	± 1.84	0.33	
Fe (295.499 nm)	± 1.82	0.42	
Fe (277.815 nm)	± 1.89	0.32	
Se (295.499 nm)	± 1.82	0.31	
K (766.481 nm)	± 1.84	0.27	
Se (295.499 nm)	± 1.82	0.42	
K (766.481 nm)	± 1.84	0.14	

เอกสารไม่ควบคุม

Health Summary		
Estimated Blood Pressure	Agilent 2105A/11-HV/12-CH-200	
Estimated pH	5.00 (10.00/10.0)	
Estimated Total Solids	0.00 (0.00/0.0)	
Estimated Conductivity	2.51 (0.00/0.0)	
Estimated Hardness	0.00	
Tested By	Rick Test, PhD, Nanyang 2	
Test Completed On	1/10/2004 11:30:15 AM	
Health Summary		
Calibration Communication Test	Pass	
Air Flow Test	Pass	
Water Flow Test	Pass	
Hot Flow Test	Pass	
HP Calibration Test	Pass	
Calories Test	Pass	
Water Test	Skipped	
Advanced Flow System Test	Skipped	
Insulation Test	Skipped	
Stability Test	Skipped	
Precision Test	Skipped	
Substance Communication Test	Pass	
Air Flow Test	Pass	
20% Air Flow System	20% Air Flow System	
10.00	10.00	
Water Flow Test	Pass	
HP Water Flow Control	Control Water Flow (L/min)	Water Flow Temperature (°C)
0.00	0.01	10.00

Page 1 of 2

เอกสารไม่ควบคุม

ภาคผนวก ฎ

หนังสืออนุญาตขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
บริษัท ยูโนเต็ด แอนนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด



ที่ อก ๐๓๐๑(๑)/ ๔ ๓ ๕ |

กรมโรงงานอุตสาหกรรม
ถนนพระรามที่ ๖ แขวงทุ่งพญาไท
เขตราชเทวี กรุงเทพฯ ๑๐๔๐๐

๐ ๓ พฤษภาคม ๒๕๖๗

เรื่อง เปลี่ยนแปลงบุคลากร สारมลพิษที่วิเคราะห์และเอกสารอ้างอิงวิธีวิเคราะห์สารมลพิษ

เรียน กรรมการผู้จัดการ บริษัท ยูนิเทค แอนนาลิสต์ แอนด์ เอ็นจิเนียริ่ง คอนซัลแตนท์ จำกัด

อ้างถึง ๑. คำขอขึ้นทะเบียนข้อมูล/เปลี่ยนแปลงบุคลากร และชนิดสารมลพิษของห้องปฏิบัติการวิเคราะห์เอกชน

ลงวันที่ ๔ มีนาคม ๒๕๖๗

๒. คำขอขึ้นทะเบียนข้อมูล/เปลี่ยนแปลงบุคลากร และชนิดสารมลพิษของห้องปฏิบัติการวิเคราะห์เอกชน

ลงวันที่ ๑๒ มีนาคม ๒๕๖๗

สิ่งที่ส่งมาด้วย เอกสารแนบท้ายหนังสือเปลี่ยนแปลงบุคลากร สารมลพิษที่วิเคราะห์และเอกสารอ้างอิง
วิธีวิเคราะห์สารมลพิษ บริษัท ยูนิเทค แอนนาลิสต์ แอนด์ เอ็นจิเนียริ่ง คอนซัลแตนท์ จำกัด
จำนวน ๑๙ แผ่น

ตามคำขอที่ยังถึง ๑ และ ๒ บริษัท ยูนิเทค แอนนาลิสต์ แอนด์ เอ็นจิเนียริ่ง คอนซัลแตนท์ จำกัด
ห้องปฏิบัติการวิเคราะห์เอกชน เลขทะเบียน ๖-๑๔๕๕ สถานที่ตั้งเลขที่ ๓ ซอยอุดมสุข ๔๑ ถนนสุขุมวิท แขวงบางจาก
เขตพระโขนง กรุงเทพมหานคร ขอเปลี่ยนแปลงบุคลากร สารมลพิษที่วิเคราะห์และเอกสารอ้างอิงวิธีวิเคราะห์
สารมลพิษ ความละเอียดแล้ว นั้น

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว มีความเห็นให้เปลี่ยนแปลงดังนี้

๑. ให้ยกเลิกเจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๒ ราย

๑) นางสาววิภา ฝ่ายสิ่งทอ ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๔๓

๒) นายมนพหล สุจรุ ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๕๕

๒. ให้เพิ่มผู้ควบคุมห้องปฏิบัติการวิเคราะห์เอกชน จำนวน ๑ ราย

นางสาวสริน โชยเชษฐพิพัฒกุล ทะเบียนเลขที่ ๖-๑๔๕๕-ค-๐๐๔๓

๓. ให้เพิ่มเจ้าหน้าที่ห้องปฏิบัติการวิเคราะห์เอกชน จำนวน ๒๗ ราย

๑) นางสาวนันทิชา กลิ่นหนู ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๕๘

๒) นายณัฏฐ์ ทั้นประโยชน์ ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๕๙

๓) นางสาวปิยา ชูจิตเชื้อ ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๖๐

๔) นางสาวศุภิตาวัลย์ โพธิ์พันธ์ ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๖๑

๕) นายอาทิตย์ ดามา ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๖๒

๖) นางสาวบุญพร บุญอนมศรี ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๖๓

๗) นางสาวพัชรพรรณ จันประเสริฐ ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๖๔

๘) นางสาวนฤพร ไช้บ้านกุ่ม ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๖๕

๙) นางสาวนรินทร์ ริมทราภ ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๖๖

๑๐) นางสาวพัชรินทร์ แพรททอง ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๖๗

๑๑) นายธิดศักดิ์ ภูผิวขาว ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๖๘

๑๒) นางสาวปิณดา...

๑๒) นางสาวปิณดา แดนขมบ ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๖๙
๑๓) นางสาวนันทิชา พรหมกัญญา ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๗๐
๑๔) นางสาวกรรณิกา ทองด้วง ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๗๑
๑๕) นางสาวกมลชนก ปูนคำ ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๗๒
๑๖) นายณัฐชัย จุสัง ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๗๓
๑๗) นางสาวปาริฉัตร ทองใบ ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๗๔
๑๘) นางสาวสุภัทสร สันโดษ ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๗๕
๑๙) นายชัยวัฒน์ จันละคร ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๗๖
๒๐) นางสาวสุพัตรา วรดี ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๗๗
๒๑) นางสาวกัญญา สิงห์แก้ว ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๗๘
๒๒) นางสาวชญานี เมินกระโทก ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๗๙
๒๓) นางสาวญาณินดา แซ่มเล็ก ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๘๐
๒๔) นายธนกร เชื้อมาก ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๘๑
๒๕) นางสาวรัชยา ปรีดี ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๘๒
๒๖) นางสาวอนกร และกระโทก ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๘๓
๒๗) นางสาวอรินา มะดีเยะ ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๘๔

๔. ให้ยกเลิกขอขายรายการสารมลพิษในน้ำเสีย น้ำใต้ดิน และสิ่งปฏิกูลหรือวัสดุที่ไม่ได้ดิน
ตามรายการเอกสารแนบท้ายหนังสือต่ออายุขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน ที่ อก ๐๓๐๑(๑)/
๑๘๗๕ ลงวันที่ ๙ กุมภาพันธ์ ๒๕๖๕

๕. ให้วิเคราะห์สารมลพิษตามขอขายที่ได้รับขึ้นทะเบียนวิเคราะห์ในน้ำ/น้ำเสีย น้ำใต้ดิน
และสิ่งปฏิกูลหรือวัสดุที่ไม่ได้ดิน ตามเอกสารแนบท้ายหนังสือเปลี่ยนแปลงบุคลากร สารมลพิษที่วิเคราะห์และ
เอกสารอ้างอิงวิธีวิเคราะห์สารมลพิษ ดังสิ่งที่ส่งมาด้วย

อนึ่ง หนังสือฉบับนี้จะหมดอายุพร้อมหนังสือต่ออายุขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
ในวันที่ ๒ กุมภาพันธ์ ๒๕๖๘

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ

น

(นายพรยศ กลิ่นกรอง)

รองอธิบดี ปฏิบัติราชการแทน

อธิบดีกรมโรงงานอุตสาหกรรม

UNITEC
UNITED ANALYST AND ENGINEERING
CONSULTANT COMPANY LIMITED

กองวิจัยและเตือนภัยมลพิษโรงงาน

กลุ่มมาตรฐานวิธีการวิเคราะห์ทดสอบมลพิษและทะเบียนห้องปฏิบัติการ

โทร. ๐ ๒๕๓๐ ๒๓๑๒ ต่อ ๒๑๐๓-๕

โทรสาร ๐ ๒๕๓๐ ๒๓๑๒ ต่อ ๒๑๙๕

ไปรษณีย์อิเล็กทรอนิกส์ saraban@dw.mail.go.th



“อุตสาหกรรมก้าวหน้า ร่วมกันพัฒนา อุตสาหกรรมสีเขียว”



เอกสารแนบท้ายหนังสือเปลี่ยนแปลงบุคลากร สารมลพิษที่วิเคราะห์และเอกสารอ้างอิงวิธีวิเคราะห์สารมลพิษ
บริษัท ยูนิเทค แอมนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด เลขทะเบียน ๖-๑๔๕
ที่ อก ๐๓๑๐(๑)/ ๔๓ ๓ ๕ | ลงวันที่ ๐๓ พฤษภาคม ๒๕๖๗

ขอขยายสารมลพิษที่ได้รับขึ้นทะเบียนจากกรมโรงงานอุตสาหกรรม จำนวน ๒๐๗ รายการ

นับ/นำเสีย จำนวน 46 รายการ

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
1	Aldrin	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
2	Arsenic	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^[3] 2) Digestion, Inductively Coupled Plasma Method ^[3]
3	Barium	Digestion, Inductively Coupled Plasma Method ^[3]
4	α-BHC	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
5	β-BHC	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
6	δ-BHC	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
7	γ-BHC	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
8	Biochemical Oxygen Demand	1) 5-Day BOD Test, Azide Modification Method ^[3] 2) 5-Day BOD Test, Membrane Electrode Method ^[3]
9	Cadmium	1) Digestion, Direct Air-Acetylene Flame Method ^[3] 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3]
10	Chemical Oxygen Demand	3) Digestion, Inductively Coupled Plasma Method ^[3] 1) Closed Reflux, Titrimetric Method ^[3] 2) Closed Reflux, Colorimetric Method ^[3] 3) Open Reflux, Titrimetric Method ^[3]
11	Chlordane	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
12	Chromium	1) Digestion, Direct Air-Acetylene Flame Method ^[3] 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3]
13	Color	3) Digestion, Inductively Coupled Plasma Method ^[3]
14	Copper	ADMI Weighted-Ordinate Spectrophotometric Method ^[3] 1) Digestion, Direct Air-Acetylene Flame Method ^[3] 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3]
15	Cyanide	Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3] 3) Digestion, Inductively Coupled Plasma Method ^[3]
16	o,p'-DDT	1) Distillation-Gravimetric Method ^[3] 2) Flow Injection Analysis Method ^[3] Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]

PPVCE
กรมโรงงานอุตสาหกรรม
สำนักงานเขตอุตสาหกรรม
กรมโรงงานอุตสาหกรรม
กรมโรงงานอุตสาหกรรม
กรมโรงงานอุตสาหกรรม

กรม

17 4,4'-DDD...

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
17	4,4'-DDD	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
18	4,4'-DDE	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
19	4,4'-DDT	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
20	Dieldrin	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
21	Endosulfan I	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
22	Endosulfan II	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
23	Endosulfan sulfate	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
24	Endrin	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
25	Endrin aldehyde	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
26	Formaldehyde	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
27	Free Chlorine	Distillation, Colorimetric Method ^[2] 1) Iodometric Method ^[3] 2) DPD Ferrous Titrimetric Method ^[3]
28	Heptachlor	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
29	Heptachlor Epoxide	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
30	Hexavalent Chromium	1) Colorimetric Method ^[3] 2) Extraction, Direct Air-Acetylene Flame Method ^[3]
31	Lead	1) Digestion, Direct Air-Acetylene Flame Method ^[3] 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3] 3) Digestion, Inductively Coupled Plasma Method ^[3]
32	Manganese	1) Digestion, Direct Air-Acetylene Flame Method ^[3] 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3] 3) Digestion, Inductively Coupled Plasma Method ^[3]
33	Mercury	Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^[3]
34	Methoxychlor	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
35	Nickel	1) Digestion, Direct Air-Acetylene Flame Method ^[3] 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3]
36	Oil & Grease	1) Liquid-Liquid Partition-Gravimetric Method ^[3] 2) Soxhlet Extraction Method ^[3]
37	pH	Electrometric Method ^[3]

PPVCE
กรมโรงงานอุตสาหกรรม
สำนักงานเขตอุตสาหกรรม
กรมโรงงานอุตสาหกรรม
กรมโรงงานอุตสาหกรรม
กรมโรงงานอุตสาหกรรม

กรม


ลำดับ	สารมลพิษ	วิธีวิเคราะห์
38	Phenols	1) Distillation, Chloroform Extraction Method ^[3] 2) Distillation, Direct Photometric Method ^[3]
39	Selenium	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^[3] 2) Digestion, Inductively Coupled Plasma Method ^[3]
40	Sulfide	1) Iodometric Method ^[3] 2) Methylene Blue Method ^[3]
41	Temperature	Laboratory and Field Methods ^[3]
42	Total Dissolved Solids	Dried at 180 °C ^[3]
43	Total Kjeldahl Nitrogen	Semi-Micro-Kjeldahl Method ^[3]
44	Total Suspended Solids	Dried from 103 to 105 °C ^[3]
45	Trivalent Chromium	1) Digestion, Direct Air-Acetylene Flame Method; Colorimetric Method; Calculation ^[3] 2) Digestion, Inductively Coupled Plasma Method; Colorimetric Method; Calculation ^[3]
46	Zinc	1) Digestion, Direct Air-Acetylene Flame Method ^[3] 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3] 3) Digestion, Inductively Coupled Plasma Method ^[3]

น้ำใต้ดิน จำนวน 126 รายการ

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
1	Acenaphthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
2	Acetone	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ^[3]
3	Aldrin	1) Liquid Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
4	Anthracene	1) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
5	Antimony	Digestion, Inductively Coupled Plasma Method ^[3]
6	Arsenic	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^[3] 2) Digestion, Inductively Coupled Plasma Method ^[3]
7	Atrazine	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
8	Barium	1) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3] 2) Digestion, Inductively Coupled Plasma Method ^[3]
9	Benz(a)anthracene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
10	Benzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ^[3]
11	Benzo(b)fluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
12	Benzo(k)fluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
13	Benzoic acid	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
14	Benzo(a)pyrene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
15	Benzo(g,h,i)perylene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
16	Beryllium	Mass Spectrometric Method ^[3]
17	Bis(2-chloroethyl)ether	Digestion, Inductively Coupled Plasma Method ^[3]
18	Bis(2-ethylhexyl)phthalate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
19	Bromodichloromethane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
20	Bromoform	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
21	Butanol	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
22	Butyl benzyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
23	Cadmium	1) Digestion, Direct Air-Acetylene Flame Method ⁽³⁾ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽³⁾
24	Carbazole	3) Digestion, Inductively Coupled Plasma Method ⁽³⁾ Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
25	Carbon disulfide	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
26	Carbon tetrachloride	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
27	Chlordane	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽³⁾
28	p-Chloroaniline	2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
29	Chlorobenzene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
30	Chlorodibromomethane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
31	Chloroform	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
32	2-Chlorophenol	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
33	Chromium	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾



1) Digestion, Direct Air-Acetylene Flame Method⁽³⁾
2) Digestion, Electrothermal Atomic Absorption Spectrometric Method⁽³⁾
3) Digestion, Inductively Coupled Plasma Method⁽³⁾

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
34	Chromium (III)	1) Digestion, Direct Air-Acetylene Flame Method; Colorimetric Method; Calculation ^[3] 2) Digestion, Inductively Coupled Plasma Method; Colorimetric Method; Calculation ^[3]
35	Chromium (VI)	1) Colorimetric Method ^[3] 2) Extraction, Air-Acetylene Flame Method ^[3]
36	Chrysene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
37	Cyanide	Distillation, Colorimetric Method ^[3]
38	2,4-D	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
39	DDD	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
40	DDE	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
41	DDT	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
42	Dibenz(a,h)anthracene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
43	Di-n-butyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
44	1,2-Dichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ^[3]
45	1,3-Dichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ^[3]
46	1,4-Dichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ^[3]
47	3,3'-Dichlorobenzidine	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]

ลำดับ	สารเคมี	วิธีวิเคราะห์
48	1,1-Dichloroethane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ^[3]
49	1,2-Dichloroethane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ^[3]
50	1,1-Dichloroethylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ^[3]
51	cis-1,2-Dichloroethylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ^[3]
52	trans-1,2-Dichloroethylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ^[3]
53	2,4-Dichlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
54	1,2-Dichloropropane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ^[3]
55	1,3-Dichloropropane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ^[3]
56	1,3-Dichloropropene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ^[3]
57	Dieldrin	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
58	Diethyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
59	2,4-Dimethylphenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
60	2,4-Dinitrophenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
61	2,4-Dinitrotoluene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
62	2,6-Dinitrotoluene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
63	Di n Octyl phthalate	Mass Spectrometric Method ^[3] Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
64	Endosulfan	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]

วิธีวิเคราะห์

65 Endrin...

ลำดับ	สารเคมี	วิธีวิเคราะห์
65	Endrin	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
66	Ethylbenzene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ^[3]
67	Fluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
68	Fluorene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
69	Heptachlor	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
70	Heptachlor epoxide	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
71	Hexachlorobenzene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
72	Hexachloro-1,3-butadiene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ^[3]
73	n-Hexane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ^[3]
74	α -HCH	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
75	β -HCH	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]

วิธีวิเคราะห์

76 γ -HCH...

ลำดับ	สารเคมี	วิธีวิเคราะห์
76	γ-HCH	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
77	Hexachlorocyclopentadiene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
78	Hexachloroethane	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
79	Indeno(1,2,3-cd)pyrene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
80	Isophorone	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
81	Lead	1) Digestion, Direct Air-Acetylene Flame Method ^[3] 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3]
82	Manganese	3) Digestion, Inductively Coupled Plasma Method ^[3] 1) Digestion, Direct Air-Acetylene Flame Method ^[3] 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3]
83	Mercury	3) Digestion, Inductively Coupled Plasma Method ^[3] Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^[3]
84	Methanol	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ^[3]
85	Methoxychlor	Liquid-Liquid Extraction, Gas Chromatographic Method ^[3]
86	Methyl bromide	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ^[3]
87	Methylene chloride	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ^[3]
88	2-Methylphenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
89	2-Methylnaphthalene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
90	Methyl tert-butyl ether	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ^[3]

ลำดับ	สารเคมี	วิธีวิเคราะห์
91	Naphthalene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
92	Nickel	1) Digestion, Direct Air-Acetylene Flame Method ^[3] 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3] 3) Digestion, Inductively Coupled Plasma Method ^[3]
93	Nitrobenzene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
94	N-Nitrosodiphenylamine	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
95	N-Nitrosodi-n-propylamine	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
96	Polychlorinated Biphenyls - PCB 1016 - PCB 1221 - PCB 1232 - PCB-1242 - PCB-1248 - PCB-1254 - PCB-1260	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
97	Pentachlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
98	pH	Electrometric Method ^[3]
99	Phenanthrene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]
100	Phenol	1) Distillation, Chloroform Extraction Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
101	Pyrene	Mass Spectrometric Method ^[3] 1) Liquid-Liquid Extraction, Gas Chromatographic Method ^[3] 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^[3]

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
102	Selenium	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ⁽³⁾ 2) Digestion, Inductively Coupled Plasma Method ⁽³⁾
103	Silver	Digestion, Inductively Coupled Plasma Method ⁽³⁾
104	Styrene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
105	1,1,2,2-Tetrachloroethane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
106	Tetrachloroethylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
107	Toluene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
108	Ioxaphene	Mass Spectrometric Method ⁽³⁾
109	TPH (C ₅ - C ₆)	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽³⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
110	TPH (C ₅ - C ₆)	1) Purge and Trap, Gas Chromatographic Method ^(10,20) 2) Purge and Trap, Gas Chromatographic/ Mass spectrometric Method ^(10,23)
111	TPH (C ₅ - C ₆)	Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(7,20)
112	TPH (C ₅ - C ₆)	Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(7,20)
113	1,2,4-Trichlorobenzene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
114	1,1,1-Trichloroethane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
115	1,1,2-Trichloroethane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
116	Trichloroethylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
117	2,4,5-Trichlorophenol	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
118	2,4,6-Trichlorophenol	Liquid-Liquid Extraction-Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
119	1,3,5-Trimethylbenzene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
119	Vanadium	Digestion, Inductively Coupled Plasma Method ⁽³⁾
120	Vinyl acetate	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
121	Vinyl chloride	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
122	m-Xylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
123	o-Xylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
124	p-Xylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
125	Xylene (Total)	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ⁽³⁾
126	Zinc	1) Digestion, Direct Air-Acetylene Flame Method ⁽³⁾ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽³⁾ 3) Digestion, Inductively Coupled Plasma Method ⁽³⁾

สิ่งปลูกสร้างหรือวัตถุที่ไม่ใช่ตัว จำนวน 35 รายการ

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
1	Aldrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,7,21) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(8,21) Digestion, Inductively Coupled Plasma Method ^(5,12)
2	Antimony	1) Waste Extraction, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(1,4,14)
3	Arsenic	2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,4,12) 3) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(5,14)
4	Barium	4) Digestion, Inductively Coupled Plasma Method ^(5,12) 1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(5,12) 2) Digestion, Inductively Coupled Plasma Method ^(5,12)

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
5	Beryllium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,4,12) 2) Digestion, Inductively Coupled Plasma Method ^(5,12)
6	Cadmium	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(1,4,13) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,4,12) 3) Digestion, Flame Atomic Absorption Spectrometric Method ^(5,13) 4) Digestion, Inductively Coupled Plasma Method ^(5,12)
7	Chlordane	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,7,21) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(8,21)
8	Chromium	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(1,4,13) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,4,12) 3) Digestion, Flame Atomic Absorption Spectrometric Method ^(5,13) 4) Digestion, Inductively Coupled Plasma Method ^(5,12)
9	Chromium (III)	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method; Waste Extraction, Colorimetric Method; Calculation ^(1,4,13,15) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method; Waste Extraction, Colorimetric Method; Calculation ^(1,4,12,15) 3) Digestion, Flame Atomic Absorption Spectrometric Method; Alkaline Digestion, Colorimetric Method; Calculation ^(5,6,13,15) 4) Digestion, Inductively Coupled Plasma Method; Alkaline Digestion, Colorimetric Method; Calculation ^(5,4,12,14)
10	Chromium (VI)	1) Waste Extraction, Colorimetric Method ^(1,15) 2) Alkaline Digestion, Colorimetric Method ^(8,15)
11	Cobalt	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,4,12) 2) Digestion, Inductively Coupled Plasma Method ^(5,12)

12 Copper...

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
12	Copper	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(1,4,13) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,4,12) 3) Digestion, Flame Atomic Absorption Spectrometric Method ^(5,13) 4) Digestion, Inductively Coupled Plasma Method ^(5,12)
13	2,4-D	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,7,21) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(8,21)
14	DDD	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,7,21) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(8,21)
15	DDE	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,7,21) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(8,21)
16	DDT	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,7,21) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(8,21)
17	Dieldrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,7,21) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(8,21)
18	Endrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,7,21) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(8,21)
19	Heptachlor	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,7,21) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(8,21)

12 Copper...

ลำดับ	สารเคมี	วิธีวิเคราะห์
20	Lead	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(1,4,13) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,4,12) 3) Digestion, Flame Atomic Absorption Spectrometric Method ^(5,13) 4) Digestion, Inductively Coupled Plasma Method ^(5,12) 1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,7,21) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(8,21) 1) Waste Extraction, Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^(1,16) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,4,12) 3) Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^(1,17) 4) Digestion, Inductively Coupled Plasma Method ^(5,12) 5) Thermal Decomposition Amalgamation and Atomic Absorption Spectrometric Method ⁽¹⁸⁾
21	Lindane	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,7,21) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(8,21)
22	Mercury	1) Waste Extraction, Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^(1,16) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,4,12) 3) Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^(1,17) 4) Digestion, Inductively Coupled Plasma Method ^(5,12) 5) Thermal Decomposition Amalgamation and Atomic Absorption Spectrometric Method ⁽¹⁸⁾
23	Methoxychlor	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,7,21) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(8,21)
24	Molybdenum	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,4,12) 2) Digestion, Inductively Coupled Plasma Method ^(5,12)
25	Nickel	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(1,4,13) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,4,12) 3) Digestion, Flame Atomic Absorption Spectrometric Method ^(5,13) 4) Digestion, Inductively Coupled Plasma Method ^(5,12)


ZAE
 UNITED ANALYST AND ENGINEERING
 CONSULTANT COMPANY LIMITED
 ดำเนินการโดย

26 Polychlorinated Biphenyls...

ลำดับ	สารเคมี	วิธีวิเคราะห์
26	Polychlorinated Biphenyls - Aroclor 1016 - Aroclor 1221 - Aroclor 1232 - Aroclor 1242 - Aroclor 1248 - Aroclor 1254 - Aroclor 1260 - 2-Chlorobiphenyl - 2,3-Dichlorobiphenyl - 2,2',5'-Trichlorobiphenyl - 2,4',5'-Trichlorobiphenyl - 2,2',3,5'-Tetrachlorobiphenyl - 2,2',5,5'-Tetrachlorobiphenyl - 2,3',4,4'-Tetrachlorobiphenyl - 2,2',3,4,5'- Pentachlorobiphenyl - 2,2',4,5,5'- Pentachlorobiphenyl - 2,3,3',4',6- Pentachlorobiphenyl - 2,2',3,4,4',5'- Hexachlorobiphenyl - 2,2',3,4,5,5'- Hexachlorobiphenyl - 2,2',3,5,5',6- Hexachlorobiphenyl - 2,2',4,4',5,5'- Hexachlorobiphenyl - 2,2',3,3',4,4',5- Heptachlorobiphenyl - 2,2',3,4,4',5,5'- Heptachlorobiphenyl - 2,2',3,4,4',5',6- Heptachlorobiphenyl - 2,2',3,4',5,5',6- Heptachlorobiphenyl - 2,2',3,3',4,4',5,5',6- Nonachlorobiphenyl	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,7,22) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(8,22)


ZAE
 UNITED ANALYST AND ENGINEERING
 CONSULTANT COMPANY LIMITED
 ดำเนินการโดย

รูปที่ 1

27 Pentachlorobiphenol...

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
27	Pentachlorophenol	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,7,24) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(8,24) Electrometric Method ^(25,26)
28	pH	1) Waste Extraction, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(1,4,19)
29	Selenium	2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,4,12) 3) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(5,19) 4) Digestion, Inductively Coupled Plasma Method ^(5,12)
30	Silver	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,4,12) 2) Digestion, Inductively Coupled Plasma Method ^(5,12)
31	Thallium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,4,12) 2) Digestion, Inductively Coupled Plasma Method ^(5,12)
32	Toxaphene	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,7,21) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(8,21)
33	Trichloroethylene	1) Waste Extraction, Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(1,10,23) 2) Waste Extraction, Equilibrium Headspace, Gas Chromatographic/Mass Spectrometric Method ^(1,9,23) 3) Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(1,12,3) 4) Equilibrium Headspace, Gas Chromatographic/Mass Spectrometric Method ^(9,23)
34	Vanadium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,4,12) 2) Digestion, Inductively Coupled Plasma Method ^(5,12)

UNITED ANALYST AND ENGINEERING CONSULTANT COMPANY LIMITED
สำนักงานผู้ตรวจการแผ่นดิน
กรมการปกครอง
กระทรวงมหาดไทย
กรุงเทพฯ

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
35	Zinc	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(1,4,13) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,4,12) 3) Digestion, Flame Atomic Absorption Spectrometric Method ^(5,13) 4) Digestion, Inductively Coupled Plasma Method ^(5,12)

เอกสารอ้างอิง

- กระทรวงอุตสาหกรรม. ประกาศกระทรวงอุตสาหกรรม, พ.ศ. 2566. เรื่อง การจัดการสิ่งปฏิกูลหรือวัสดุที่ไม่ได้ใช้แล้ว. ราชกิจจานุเบกษา. 31 พฤษภาคม 2566. เล่มที่ 140 ตอนพิเศษ 126 ง.
- สมาคมวิศวกรรมสิ่งแวดล้อมแห่งประเทศไทย. คู่มือวิเคราะห์น้ำเสีย. พิมพ์ครั้งที่ 4. กรุงเทพฯ: เรือนแก้วการพิมพ์. 2547.

3. APHA, AWWA, WEF. Standard Methods for the Examination of Water and Wastewater. 24th ed. Washington, DC: APHA, 2023.

4. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. SW-846, 2014.

5. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Acid Digestion of Sediments, Sludges, and Soils. SW-846 Method 3050B, 1996.

6. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Alkaline Digestion for Hexavalent Chromium. SW-846 Method 3060A, 1996.

7. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste 3. Physical/Chemical Methods. Separatory Funnel Liquid-Liquid Extraction. SW-846 Method 3510C, 1996.

8. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Ultrasonic Extraction. SW-846 Method 3550C, 2007.

9. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Volatile Organic Compounds in Various Sample Matrices Using Equilibrium Headspace Analysis. SW-846 Method 5021A, 2014.

10. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Purge and Trap for Aqueous Samples. SW-846 Method 5030C, 2003.

11. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Closed System Purge and Trap and Extraction for Volatile Organics in Soil and Waste Sample. SW-846 Method 5035A, 2000. ธีรพงษ์

12. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Inductively Coupled Plasma-Optical Emission Spectrometry. SW-846 Method 6010D, 2014.
13. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Flame Atomic Absorption Spectrophotometry. SW-846 Method 7000B, 2007.
14. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Arsenic (Atomic Absorption, Gaseous Hydride). SW-846 Method 7061A, 1992.
15. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Chromium, Hexavalent (Colorimetric). SW-846 Method 7196A, 1992.
16. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Mercury in Liquid Waste (Manual Cold Vapor Technique). SW-846 Method 7470A, 1994.
17. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique). SW-846 Method 7471B, 1998.
18. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Mercury in Solids and Solutions by Thermal Decomposition, Amalgamation, and Atomic Absorption Spectrophotometry. SW-846 Method 7473, 2007.
19. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Selenium (Atomic Absorption, Borohydride Reduction). SW-846 Method 7742, 1994.
20. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Nonhalogenated Organics Using GC/FID. SW-846 Method 8015D, 2003.
21. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Organochlorine Pesticides by Gas Chromatography. SW-846 Method 8081B, 2007.
22. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Polychlorinated Biphenyls (PCBs) by Gas Chromatography. SW-846 Method 8082A, 2007.
23. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry. SW-846 Method 8260D, 2018.
24. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry. SW-846 Method 8270E, 2018.
25. United States...



25. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. pH Electrometric Measurement. SW-846 Method 9040C, 2004.
26. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Soil and Waste pH. SW-846 Method 9045D, 2004.



ที่ อก ๐๓๐๑(๑)/ ๑ ๖ ๙ ๘

กรมโรงงานอุตสาหกรรม
ถนนพระรามที่ ๖ แขวงทุ่งพญาไท
เขตราชเทวี กรุงเทพฯ ๑๐๔๐๐
๑๓ ธันวาคม ๒๕๖๖

เรื่อง เปลี่ยนแปลงบุคลากรของห้องปฏิบัติการวิเคราะห์

เรียน กรรมการผู้จัดการ บริษัท ยูโนเด็ค แอมนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด

อ้างถึง คำขอขึ้นทะเบียน/ต่ออายุ/เปลี่ยนแปลงบุคลากร และขอคืนสารมลพิษของห้องปฏิบัติการวิเคราะห์เอกชน
ลงวันที่ ๗ พฤศจิกายน ๒๕๖๖

ตามที่หนังสือที่อ้างถึง บริษัท ยูโนเด็ค แอมนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด
ห้องปฏิบัติการวิเคราะห์เอกชน เลขทะเบียน ๖-๑๔๔๕ สถานที่ตั้งเลขที่ ๓ ซอยอุดมสุข ๔๑ ถนนสุขุมวิท
แขวงบางจาก เขตพระโขนง กรุงเทพมหานคร ขอเปลี่ยนแปลงบุคลากรของห้องปฏิบัติการวิเคราะห์
ความละเอียดแจ้งแล้ว นั้น

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว ให้เพิ่มเจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์
จำนวน ๖ ราย ได้แก่

- | | |
|-------------------------------|-----------------------------|
| ๑) นางสาวพรพิมล ประชาพันธุ์ | ทะเบียนเลขที่ ๖-๑๔๔๕-จ-๐๑๕๒ |
| ๒) นายวีรภัทร บุญยฤทธิ | ทะเบียนเลขที่ ๖-๑๔๔๕-จ-๐๑๕๓ |
| ๓) นางสาวณัฐชา แถภาพ | ทะเบียนเลขที่ ๖-๑๔๔๕-จ-๐๑๕๔ |
| ๔) นายนันทพล สุวีร์ | ทะเบียนเลขที่ ๖-๑๔๔๕-จ-๐๑๕๕ |
| ๕) นายสิทธิพล พร้องพองชื่นบุญ | ทะเบียนเลขที่ ๖-๑๔๔๕-จ-๐๑๕๖ |
| ๖) นางสาวมนัสพร การงานดี | ทะเบียนเลขที่ ๖-๑๔๔๕-จ-๐๑๕๗ |

อนึ่ง หนังสือฉบับนี้จะมีผลย้อนหลังเมื่อได้รับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์
เอกชน คือในวันที่ ๒ กุมภาพันธ์ ๒๕๖๘ ทั้งนี้ สามารถยื่นคำขอผ่านระบบอิเล็กทรอนิกส์ได้ทันทีเว็บไซต์
กรมโรงงานอุตสาหกรรม

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ

๙-๙ ๙๙๙
(นายประสม ดำรงพงษ์)
ผู้อำนวยการวิจัยและเคมียมลพิษโรงงาน
ผู้บริหารการแผนจัดตั้งกรมโรงงานอุตสาหกรรม



กองวิจัยและเคมียมลพิษโรงงาน

กลุ่มมาตรฐานวิธีการวิเคราะห์ทดสอบมลพิษและทะเบียนห้องปฏิบัติการ

โทร. ๐ ๒๔๓๐ ๖๓๑๒ ต่อ ๒๑๐๓-๕

โทรสาร ๐ ๒๔๓๐ ๖๓๑๒ ต่อ ๒๑๔๙

ไปรษณีย์อิเล็กทรอนิกส์ saraban@diw.mail.go.th



"อุตสาหกรรมก้าวไกล ประเทศไทยก้าวหน้า ร่วมกันพัฒนา อุตสาหกรรมสีเขียว"



ที่ อก ๐๓๐๑(๑)/ ๘ ๗ ๒ ๔

กรมโรงงานอุตสาหกรรม
ถนนพระรามที่ ๖ แขวงทุ่งพญาไท
เขตราชเทวี กรุงเทพฯ ๑๐๔๐๐

๒๕ พฤษภาคม ๒๕๖๖

เรื่อง เปลี่ยนแปลงบุคลากรของห้องปฏิบัติการวิเคราะห์

เรียน กรรมการผู้จัดการ บริษัท ยูโนเด็ค แอมนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด

อ้างถึง คำขอขึ้นทะเบียน/ต่ออายุ/เปลี่ยนแปลงบุคลากร และขอคืนสารมลพิษของห้องปฏิบัติการวิเคราะห์เอกชน
ลงวันที่ ๑๖ พฤษภาคม ๒๕๖๖

ตามที่หนังสือที่อ้างถึง บริษัท ยูโนเด็ค แอมนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด
ห้องปฏิบัติการวิเคราะห์เอกชน เลขทะเบียน ๖-๑๔๔๕ สถานที่ตั้งเลขที่ ๓ ซอยอุดมสุข ๔๑ ถนนสุขุมวิท แขวงบางจาก
เขตพระโขนง กรุงเทพมหานคร ขอเปลี่ยนแปลงบุคลากรของห้องปฏิบัติการวิเคราะห์ ความละเอียดแจ้งแล้ว นั้น

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว มีความเห็นดังนี้

๑. ให้ยกเลิกเจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๕ ราย

- | | |
|---------------------------------|-----------------------------|
| ๑) นางสาวพริดา เจริญชัยสมบัติ | ทะเบียนเลขที่ ๖-๑๔๔๕-จ-๐๐๓๐ |
| ๒) นายสงกรานต์ มาลัยทอง | ทะเบียนเลขที่ ๖-๑๔๔๕-จ-๐๐๘๗ |
| ๓) นางสาวธนธรณ์ คุณานุพันธ์ชัย | ทะเบียนเลขที่ ๖-๑๔๔๕-จ-๐๐๙๒ |
| ๔) นางสาวกรรณารณ์ ลาพรม | ทะเบียนเลขที่ ๖-๑๔๔๕-จ-๐๑๐๐ |
| ๕) นางสาวสุตารัตน์ จันทร์ประทีป | ทะเบียนเลขที่ ๖-๑๔๔๕-จ-๐๑๐๕ |

๒. ให้เพิ่มเจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๔ ราย

- | | |
|---------------------------|-----------------------------|
| ๑) นางสาววิฑิตา ฝ่ายสิงห์ | ทะเบียนเลขที่ ๖-๑๔๔๕-จ-๐๑๔๓ |
| ๒) นางสาวเมอรลีน สุจริต | ทะเบียนเลขที่ ๖-๑๔๔๕-จ-๐๑๔๔ |
| ๓) นางสาวพัญพิชชา รอดทอง | ทะเบียนเลขที่ ๖-๑๔๔๕-จ-๐๑๔๕ |
| ๔) นางสาวอมชก แสงสว่าง | ทะเบียนเลขที่ ๖-๑๔๔๕-จ-๐๑๔๖ |

อนึ่ง หนังสือฉบับนี้จะมีผลย้อนหลังเมื่อได้รับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์
เอกชน คือในวันที่ ๒ กุมภาพันธ์ ๒๕๖๘ ทั้งนี้ สามารถยื่นคำขอผ่านระบบอิเล็กทรอนิกส์ได้ทันทีเว็บไซต์
กรมโรงงานอุตสาหกรรม

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ

๙-๙ ๙๙๙
(นายประสม ดำรงพงษ์)
ผู้อำนวยการวิจัยและเคมียมลพิษโรงงาน
ผู้บริหารการแผนจัดตั้งกรมโรงงานอุตสาหกรรม



กองวิจัยและเคมียมลพิษโรงงาน

กลุ่มมาตรฐานวิธีการวิเคราะห์ทดสอบมลพิษและทะเบียนห้องปฏิบัติการ

โทร. ๐ ๒๔๓๐ ๖๓๑๒ ต่อ ๒๑๐๓-๕

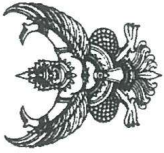
โทรสาร ๐ ๒๔๓๐ ๖๓๑๒ ต่อ ๒๑๔๙

ไปรษณีย์อิเล็กทรอนิกส์ saraban@diw.mail.go.th



"อุตสาหกรรมก้าวไกล ประเทศไทยก้าวหน้า ร่วมกันพัฒนา อุตสาหกรรมสีเขียว"





ที่ อก ๐๓๐๑(๑)/ ๖ ๐ ๒ ๘

กรมโรงงานอุตสาหกรรม

ถนนพระรามที่ ๖ แขวงทุ่งพญาไท

เขตราชเทวี กรุงเทพฯ ๑๐๔๐๐

๒ ๒ มีนาคม ๒๕๖๖

เรื่อง เปลี่ยนแปลงบุคลากรและสารมลพิษที่วิเคราะห์

เรียน กรรมการผู้จัดการ บริษัท ยูนิเด็ค แอนนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด

อ้างถึง คำขอขึ้นทะเบียน/ต่ออายุ/เปลี่ยนแปลงบุคลากร และชนิดสารมลพิษของห้องปฏิบัติการวิเคราะห์เอกชน

ลงวันที่ ๓๐ มกราคม ๒๕๖๖

สิ่งที่ส่งมาด้วย เอกสารแนบท้ายหนังสือเปลี่ยนแปลงบุคลากรและสารมลพิษที่วิเคราะห์

บริษัท ยูนิเด็ค แอนนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด จำนวน ๒ แผ่น

ตามหนังสือที่อ้างถึง บริษัท ยูนิเด็ค แอนนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด
ห้องปฏิบัติการวิเคราะห์เอกชน เลขทะเบียน ๖-๑๔๔๕ สถานที่ตั้งเลขที่ ๓ ซอยอุดมสุข ๔๑ ถนนสุขุมวิท
แขวงบางจาก เขตพระโขนง กรุงเทพมหานคร ขอเปลี่ยนแปลงบุคลากรและสารมลพิษที่วิเคราะห์
ความละเอียดแจ้งแล้ว นั้น

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว มีความเห็นดังนี้

๑. ให้ยกเลิกเจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๒ ราย
ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๐๑๖
ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๐๕๗
๒. ให้เพิ่มเจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๑๑ ราย
ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๓๒
ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๓๓
ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๓๔
ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๓๕
ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๓๖
ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๓๗
ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๓๘
ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๓๙
ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๔๐
ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๔๑
ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๑๔๒

๓. ให้เพิ่มขอขยายสารมลพิษที่วิเคราะห์ที่เดิม ตามสิ่งที่ส่งมาด้วย

UAE **อู๋**
UNITE ANALYST AND ENGINEERING
CONSULTANT COMPANY LIMITED
อำนาคูทอง

อนึ่ง หนังสือฉบับนี้จะหมดอายุพร้อมหนังสือต่ออายุรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
ที่ อก ๐๓๐๑(๑)/๑๘๓๙ ลงวันที่ ๙ กุมภาพันธ์ ๒๕๖๕ คือในวันที่ ๒ กุมภาพันธ์ ๒๕๖๘ ทั้งนี้ สามารถยื่นคำขอ
ผ่านระบบอิเล็กทรอนิกส์ได้ที่หน้าเว็บไซต์กรมโรงงานอุตสาหกรรม ตาม QR Code หายหนังสือฉบับนี้

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ

จร.จ. **อู๋**

— (นายประสม ดำรงพงษ์)
ผู้อำนวยการวิจัยและเตือนภัยมลพิษโรงงาน
ปฏิบัติการทางเทคโนโลยีกรมโรงงานอุตสาหกรรม



ยื่นคำขอผ่านระบบอิเล็กทรอนิกส์

กองวิจัยและเตือนภัยมลพิษโรงงาน
กลุ่มมาตรฐานวิธีการวิเคราะห์ทดสอบมลพิษและทะเบียนห้องปฏิบัติการ
โทร. ๐ ๒๔๓๐ ๖๓๑๒ ต่อ ๒๑๐๓-๕ โทรสาร ๐ ๒๔๓๐ ๖๓๑๒ ต่อ ๒๑๔๙
ไปรษณีย์อิเล็กทรอนิกส์ saraban@dlw.mail.go.th





ที่ อก ๐๓๑๐(๑)/ ๑๕๕๕.๕๕

กรมโรงงานอุตสาหกรรม
ถนนพระรามที่ ๖ แขวงทุ่งพญาไท
เขตราชเทวี กรุงเทพฯ ๑๐๔๐๐

๒๕ ตุลาคม ๒๕๖๕

เรื่อง เปลี่ยนแปลงบุคลากรของห้องปฏิบัติการวิเคราะห์

เรียน กรรมการผู้จัดการ บริษัท ยูนิเทค แอมนาลีซิสต์ แอนด์ เอ็นจิเนียริง คอมโซลูชั่นส์ จำกัด

อ้างถึง คำขอขึ้นทะเบียน/เปลี่ยนแปลงบุคลากร และขอใบสมัครขอห้องปฏิบัติการวิเคราะห์ที่ออกจน
ลงวันที่ ๑๘ ตุลาคม ๒๕๖๕

ตามหนังสือที่อ้างถึง บริษัท ยูนิเทค แอมนาลีซิสต์ แอนด์ เอ็นจิเนียริง คอมโซลูชั่นส์ จำกัด
ห้องปฏิบัติการวิเคราะห์ที่ออกจน เลขทะเบียน ๖-๑๕๕๕ สถานที่ตั้งเลขที่ ๓ ซอยอุดมสุข ๔๑ ถนนสุขุมวิท แขวงบางจาก
เขตพระโขนง กรุงเทพมหานคร ขอเปลี่ยนแปลงบุคลากรของห้องปฏิบัติการวิเคราะห์ ความละเอียดแจ้งแล้ว นั้น

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว มีความเห็นดังนี้

๑. ให้อยกเลิกเจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๔ ราย

- | | |
|----------------------------------|-----------------------------|
| ๑) นางสาวธรรมา แก้วช้อนนอก | ทะเบียนเลขที่ ๖-๑๕๕๕-จ-๐๐๐๒ |
| ๒) นายกานต์พงศ์ บุญพวง | ทะเบียนเลขที่ ๖-๑๕๕๕-จ-๐๐๒๙ |
| ๓) นายกฤตพล พงศ์สภาพร | ทะเบียนเลขที่ ๖-๑๕๕๕-จ-๐๐๔๕ |
| ๔) นางสาวธัญลักษณ์ ธนโชติกาญจนกร | ทะเบียนเลขที่ ๖-๑๕๕๕-จ-๐๑๐๗ |
๒. ให้เพิ่มผู้ควบคุมดูแลห้องปฏิบัติการวิเคราะห์ จำนวน ๒ ราย
- | | |
|----------------------------|-----------------------------|
| ๑) นายกานต์พงศ์ บุญพวง | ทะเบียนเลขที่ ๖-๑๕๕๕-ค-๐๐๔๑ |
| ๒) นางสาวธรรมา แก้วช้อนนอก | ทะเบียนเลขที่ ๖-๑๕๕๕-ค-๐๐๔๒ |

๓. ให้เพิ่มเจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๑๒ ราย

- | | |
|----------------------------|-----------------------------|
| ๑) นายชินวัฒน์ หอยสังข์ | ทะเบียนเลขที่ ๖-๑๕๕๕-จ-๐๑๒๐ |
| ๒) นายประพนธ์ แก้วภาค้า | ทะเบียนเลขที่ ๖-๑๕๕๕-จ-๐๑๒๑ |
| ๓) นายกิตติบดี มุสิกฤดี | ทะเบียนเลขที่ ๖-๑๕๕๕-จ-๐๑๒๒ |
| ๔) นายคุณานนท์ ฤทธาคณานนท์ | ทะเบียนเลขที่ ๖-๑๕๕๕-จ-๐๑๒๓ |
| ๕) นายชญาญณรงค์ อ้อลอย | ทะเบียนเลขที่ ๖-๑๕๕๕-จ-๐๑๒๔ |
| ๖) นางสาวจิตรมาส ศรีวรรณ | ทะเบียนเลขที่ ๖-๑๕๕๕-จ-๐๑๒๕ |
| ๗) นายสุจิตต์ ไปชื่นเงิน | ทะเบียนเลขที่ ๖-๑๕๕๕-จ-๐๑๒๖ |
| ๘) นายเชษฐา ชัยตรีภัก | ทะเบียนเลขที่ ๖-๑๕๕๕-จ-๐๑๒๗ |
| ๙) นายรชต เหมะจุลิน | ทะเบียนเลขที่ ๖-๑๕๕๕-จ-๐๑๒๘ |
| ๑๐) นายสุรศักดิ์ ชุมเอียด | ทะเบียนเลขที่ ๖-๑๕๕๕-จ-๐๑๒๙ |
| ๑๑) นายสุวิโชค หล้าโท | ทะเบียนเลขที่ ๖-๑๕๕๕-จ-๐๑๓๐ |
| ๑๒) นายชัย บัวสด | ทะเบียนเลขที่ ๖-๑๕๕๕-จ-๐๑๓๑ |

UAE
UNITED ANALYST AND ENGINEERING
CONSULTANT COMPANY LIMITED
ด้านถูกต้อง

อนึ่ง หนังสือฉบับนี้...

อนึ่ง หนังสือฉบับนี้หมดอายุพร้อมหนังสือตอบรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
ที่ อก ๐๓๑๐(๑)/๑๕๕๕ ลงวันที่ ๙ กุมภาพันธ์ ๒๕๖๕ คือในวันที่ ๒ กุมภาพันธ์ ๒๕๖๕ ทั้งนี้ สามารถยื่นคำขอ
ผ่านระบบอิเล็กทรอนิกส์ได้ทั้งเว็บไซต์กรมโรงงานอุตสาหกรรม ตาม QR Code ที่ท้ายหนังสือฉบับนี้

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ

(นายประสม ดำรงพงษ์)
ผู้อำนวยการวิจัยและพัฒนาลัพพีโรงงาน
ผู้บริหารกรมเหนือติดกรมโรงงานอุตสาหกรรม



ยื่นคำขอผ่านระบบอิเล็กทรอนิกส์

กองวิจัยและพัฒนาลัพพีโรงงาน
กลุ่มมาตรฐานวิธีการวิเคราะห์ทดสอบลัพพีและทะเบียนห้องปฏิบัติการ
โทร. ๐ ๒๕๓๐ ๖๓๑๒ ต่อ ๒๐๓-๕
โทรสาร ๐ ๒๕๓๐ ๖๓๑๒ ต่อ ๒๑๕๕
ไปรษณีย์อิเล็กทรอนิกส์ saraban@diw.mail.go.th

UAE
UNITED ANALYST AND ENGINEERING
CONSULTANT COMPANY LIMITED
ด้านถูกต้อง

Good Industry
“อุตสาหกรรมก้าวหน้า ร่วมกันพัฒนา อุตสาหกรรมสีเขียว”

อีกหนึ่งหนังสือฉบับนี้ จะแนะนำสุดยอดหนังสือที่ยังพิมพ์เป็นไทยเกี่ยวกับวิถีการวิเคราะห์เอกสาร ที่ ออก ๑๓๑๐(๑)/๑๙๙๙ ลงวันที่ ๙ กุมภาพันธ์ ๒๕๔๕ คือในนี้ที่ ๒ กุมภาพันธ์ ๒๕๔๖ ทั้งนี้ สามารถยืมคำขอ ผ่านระบบอิเล็กทรอนิกส์ได้ทั้งนี้รับได้กรมโรงงานอุตสาหกรรม ตาม QR Code ทำหนังสือฉบับนี้

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ

(นางฉันทา เตชะศรีนทร์)

ผู้อำนวยการวิทยาลัยเกษตรและเทคโนโลยีบุรีรัมย์
ปฏิบัติราชการแทนอธิบดีกรมการศึกษานอกโรงเรียน



ชั้นคำขอผ่านระบบอิเล็กทรอนิกส์

₹ ०३००(३)/ ३२ ०९ ९

กรมโรงงานอุตสาหกรรม

บทที่ ๑๖ บทประพันธ์

เขตราชเทวี กรุงเทพมหานคร ๑๐๕๐๐

ព្រះបាទ ២០

เรื่อง เปลี่ยนแปลงบุคลากรของห้องปฏิบัติการวิเคราะห์

เรียน กรรมการผู้จัดการ บริษัท แปรรูป แอเนมาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด

อ้างถึง คำขอชื้อทะเบียน/ต่ออายุ/เปลี่ยนแปลงบุคลากร และนิติธรรมลพิษของห้องปฏิบัติการวิเคราะห์เอกชน
ลงวันที่ ๒๒ สิงหาคม ๒๕๖๕

ตามหนังสือที่อ้างถึง บริษัท ยูนิเทค แอนนาลิสต์ แอนด์ เอ็นจิเนียริง คอมพลีเมนท์ จำกัด
 ห่วงปฏิบัติการวิเคราะห์ราคาหุ้น เลขทะเบียน ว-๑๕๕ ลงวันที่ตั้งเลขที่ ๓ ซอยอุดมสุข ๔๔ ถนนสุขุมวิท แขวงบางจาก
 เขตพระโขนง กรุงเทพมหานคร ขอเรียนแปลผลการของห้องปฏิบัติการวิเคราะห์ ความละเอียดแจ้งแล้ว นั้น

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว มีความเห็นดังนี้

๑. ให้ยกเลิกเจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๘ ราย

๑) นายเปรี๊ตา ไชยมุสิกกุล	ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๐๓๓
๒) นายปิยะฉัตร ศรีใจรัมย์	ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๐๓๕
๓) นายธีรเมธ สุขศรี	ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๐๔๑
๔) นางสาวศิริวรรณ ขอนพา	ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๐๕๐
๕) นายศักดิ์สิทธิ์ เกิดตั้ง	ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๐๖๓
๖) นางสาวฉัตรดาวัลย์ โพธิ์พันธ์	ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๐๘๐
๗) นางสาวฉวีวรรณ เจริญจันทร์	ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๐๘๑
๘) นางสาวฉันทะจิรา ประจวบทรัพย์	ทะเบียนเลขที่ ๖-๑๔๕๕-จ-๐๐๘๘

- ๑) นางสาวนาตชา แหวนใบเมือง
- ๒) นางสาววิมลวรรณ สิมมา
- ๓) นายนันทวัฒน์ วงศ์คำ
- ๔) นายประพัทธ์ชัย ศรีเอกนาง
- ๕) นางสาวกมลธิชา ลำซิด
- ๖) นางสาวภาพพร ชื่นนุกัมม์
- ๗) นางสาวเบญญา มอนุ่มคุณ
- ๘) นายอมรพล อมรลักษณ์
- ๙) นางสาวศิริพร ทองขาว
- ๑๐) นางสาวนิชากร สุขชาติไกรสร
- ๑๑) นางสาววิมลวรรณ คำตัน

อนึ่ง หนังสือฉบับนี้...

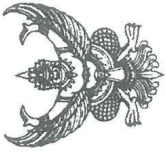
กองวิจัยและเตือนภัยมลพิษโรงงาน
กลุ่มมาตฐานาวิชาวิศวกรรมหัตถสอมลพิษและหะเบียนห้องปฏิบัติการ
โทร. ๐ ๒๕๓๐ ๒๓๑๒ ถึง ๒๕๓๐ ๓๕๕
โทรสาร ๐ ๒๕๓๐ ๒๓๑๒ ถึง ๒๕๓๕
เรพพหัดล็กโทรอนิกส์ sarabandiw@mail.go.th

YATF
UNITED ANALYST AND ENGINEERING
CONSULTANT COMPANY LIMITED

โดยคณะผู้



“อุตสาหกรรมก้าวไกล ประเทศไทยก้าวหน้า ร่วมกันพัฒนาอุตสาหกรรมสีเขียว”



ที่ อก ๐๓๑๐(๑)/ ๔๗๘ ๗

กรมโรงงานอุตสาหกรรม
ถนนพระรามที่ ๖ แขวงทุ่งพญาไท
เขตราชเทวี กรุงเทพฯ ๑๐๔๐๐

๒ ๑ เมษายน ๒๕๖๕

เรื่อง เปลี่ยนแปลงบุคลากรของห้องปฏิบัติการวิเคราะห์
เรียน กรรมการผู้จัดการ บริษัท ยูโนเด็ค แอนนาลิซิส แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด
อ้างถึง คำขอขึ้นทะเบียน/ถ่ายโอน/เปลี่ยนแปลงบุคลากร และชนิดสารเคมีของห้องปฏิบัติการวิเคราะห์เอกชน
ลงวันที่ ๓๐ มีนาคม ๒๕๖๕

ตามหนังสือที่อ้างถึง บริษัท ยูโนเด็ค แอนนาลิซิส แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด
ห้องปฏิบัติการวิเคราะห์เอกชน เลขทะเบียน ๖-๑๔๕ สถานที่ตั้งเลขที่ ๓ ซอยอุดมสุข ถนนสุขุมวิท แขวงบางจาก
เขตพระโขนง กรุงเทพมหานคร ขอเปลี่ยนแปลงบุคลากรของห้องปฏิบัติการวิเคราะห์ ความละเอียดแล้ว นั้น


กรมโรงงานอุตสาหกรรมพิจารณาแล้ว มีความเห็นดังนี้

๑. ให้ยกเลิกผู้ควบคุมดูแลห้องปฏิบัติการวิเคราะห์ จำนวน ๒ ราย
๑) นางสาวนิดา แยมโย ทะเบียนเลขที่ ๖-๑๔๕-ก-๐๐๐๔
๒) นางสาวนภสรรม คงชา ทะเบียนเลขที่ ๖-๑๔๕-ก-๐๐๓๒
๒. ให้ยกเลิกเจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๒ ราย
๑) นางสาวศิริพร อภิการัตน์ ทะเบียนเลขที่ ๖-๑๔๕-จ-๐๐๖๔
๒) นางสาวพรนัชชา กลิ่นนุ ทะเบียนเลขที่ ๖-๑๔๕-จ-๐๐๘๔
๓. ให้เพิ่มเจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๒ ราย
๑) นางสาวอัญญลักษณ์ ไขโตกาญจนกร ทะเบียนเลขที่ ๖-๑๔๕-จ-๐๑๐๗
๒) นางสาวจันทรีจิรา ประกอบทรัพย์ ทะเบียนเลขที่ ๖-๑๔๕-จ-๐๑๐๘

อนึ่ง หนังสือฉบับนี้จะหมดอายุพร้อมหนังสือต่ออายุขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
ที่ อก ๐๓๑๐(๑)/๑๘๗๘ ลงวันที่ ๙ กุมภาพันธ์ ๒๕๖๕ คือในวันที่ ๒ กุมภาพันธ์ ๒๕๖๘ ทั้งนี้ สามารถยื่นคำขอ
ผ่านระบบอิเล็กทรอนิกส์ได้ที่หน้าเว็บไซต์กรมโรงงานอุตสาหกรรม ตาม QR Code ท้ายหนังสือฉบับนี้

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ


(นางจิราพร เดชะศรีพันธุ์)
ผู้อำนวยการโรงงานและสิ่งแวดล้อม
บริษัทราชทานพาณิชย์กรมโรงงานอุตสาหกรรม



ยื่นคำขอผ่านระบบอิเล็กทรอนิกส์

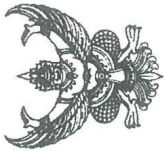
กองวิจัยและเตือนภัยมลพิษโรงงาน

กลุ่มมาตรฐานวิธีการวิเคราะห์ทดสอบมลพิษและเขียนหนังสือแจ้ง
โทร. ๐ ๒๔๓๐ ๖๓๑๒ ต่อ ๒๐๓-๕ โทรสาร ๐๒๕๒๖๖๕๒ ต่อ ๒๐๓๕๒
ไปรษณีย์อิเล็กทรอนิกส์ saraban@diw.mail.go.th


R.A.E. **ด้านถูกต้อง**



Green Industry
อุตสาหกรรมสีเขียว "อุตสาหกรรมก้าวไกล ประเทศไทยก้าวหน้า ร่วมกันพัฒนา อุตสาหกรรมสีเขียว"



ที่ อก ๐๓๑๐(๑)/ ๑๘๗ ๙

กรมโรงงานอุตสาหกรรม

ถนนพระรามที่ ๖ แขวงทุ่งพญาไท

๐ ๙ กุมภาพันธ์ ๒๕๖๕

เรื่อง ต่ออายุหนังสือขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน

เรียน กรรมการผู้จัดการ บริษัท ยูไนเต็ด แอนนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด

อ้างถึง คำขอขึ้นทะเบียน/ต่ออายุ/เปลี่ยนแปลงบุคลากร และชนิดสารเคมีของห้องปฏิบัติการวิเคราะห์เอกชน ลงวันที่ ๒๗ ธันวาคม ๒๕๖๔

สิ่งที่ส่งมาด้วย ๑. รายชื่อผู้ควบคุมดูแลห้องปฏิบัติการวิเคราะห์ จำนวน ๔๐ ราย

๒. รายชื่อเจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๑๐๖ ราย

๓. ขอบข่ายสารเคมีที่ได้รับขึ้นทะเบียนจากกรมโรงงานอุตสาหกรรม

ตามที่หนังสือที่อ้างถึง บริษัท ยูไนเต็ด แอนนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด ขอต่ออายุหนังสือขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน เลขทะเบียน ๖-๑๕๕ สถานที่ตั้งเลขที่ ๓ ซอยอุดมสุข ๔๑ ถนนสุขุมวิท แขวงบางจาก เขตพระโขนง กรุงเทพมหานคร ต่อกรมโรงงานอุตสาหกรรม นั้น

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว ให้บริษัท ยูไนเต็ด แอนนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด ต่ออายุหนังสือขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน โดยเมืองค้ประกอบดังนี้
ก. ผู้ควบคุมดูแลห้องปฏิบัติการวิเคราะห์ จำนวน ๔๐ ราย ตามสิ่งที่ส่งมาด้วย ๑
ข. เจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๑๐๖ ราย ตามสิ่งที่ส่งมาด้วย ๒
ค. ขอบข่ายสารเคมีที่ได้รับขึ้นทะเบียนให้วิเคราะห์ในน้ำเสีย น้ำใต้ดิน อากาศเสีย สิ่งปฏิกูล หรือวัสดุที่ไม่ใช้แล้ว และดิน ตามสิ่งที่ส่งมาด้วย ๓

หนังสือฉบับนี้จะมีผลต่ออายุในวันที่ ๒ กุมภาพันธ์ ๒๕๖๕ หากประสงค์จะต่ออายุหนังสือ รับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน ให้ยื่นคำขอต่ออายุพร้อมเอกสารประกอบคำขอต่อ

กรมโรงงานอุตสาหกรรมภายใน ๓๐ วัน ก่อนวันสิ้นสุดของหนังสือขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน ทั้งนี้ สามารถยื่นคำขอผ่านระบบอิเล็กทรอนิกส์ได้ที่หน้าเว็บไซต์กรมโรงงานอุตสาหกรรม ตาม QR Code ที่แนบมา

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ



นางจินดา เดชะศรีนทร์
ผู้อำนวยการบริษัท ยูไนเต็ด แอนนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด

UNITE ANALYST AND ENGINEERING
CONSULTANT COMPANY LIMITED

ยื่นคำขอผ่านระบบอิเล็กทรอนิกส์

ตามลูกตอง

กองวิจัยและเตือนภัยมลพิษโรงงาน

กลุ่มมาตรฐานวิธีการวิเคราะห์ทดสอบเคมีและทะเบียนห้องปฏิบัติการ

โทร. ๐ ๒๔๓๐ ๖๓๑๒ ต่อ ๒๐๓-๕

โทรสาร ๐ ๒๔๓๐ ๖๓๑๒ ต่อ ๒๐๙๕

ไปรษณีย์อิเล็กทรอนิกส์ saraban@dw.go.th

เอกสารแนบท้ายหนังสือรับรองอายุขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน

บริษัท ยูไนเต็ด แอนนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด เลขทะเบียน ๖-๑๕๕

ที่ อก ๐๓๑๐(๑)/ ๑๘๗ ๙ ลงวันที่ ๐ ๙ กุมภาพันธ์ ๒๕๖๕

ก. ผู้ควบคุมดูแลห้องปฏิบัติการวิเคราะห์ จำนวน ๔๐ ราย

๑) นางสาวกชวรรณ ภัทรธีรกุล

๒) นายณรงค์ นิมาพัลลี

๓) นางสาวนันท์ดา บุญไชย

๔) นายปิยะพัชร สุทธิมนัสวงษ์

๕) นางมานิดา แย้มไย

๖) นางสาวเบญจวรรณ วิริโยทัย

๗) นายพนพรัตน์ วงศ์อรุณชัย

๘) นางสาวฉวีวรรณ บุญลา

๙) นายสุวิทย์ จอดนอก

๑๐) นางสาวโชติภา สมบูรณ์

๑๑) นางสาวบุษกร เลิศกาญจนา

๑๒) นางสาวไอลักษณ์ ศรีสุข

๑๓) นางสาวปิภา จรัสโชติพิบัติ

๑๔) นายศศิธร ใจรัก

๑๕) นายปฏิกรณ์ คณนา

๑๖) นายธีรวัฒน์ ชะมิง

๑๗) นางสาวศิริพร ศรีประดิษฐ์

๑๘) นางสาวสิริริทธิ์ ธีร

๑๙) นางสาวพวรรณ ยุรารักษ์

๒๐) นายพงษ์ค พานิชย์เลิศอำไพ

๒๑) นายณัฐวัฒน์ แดงสวัสดิ์

๒๒) นายเอกรัตน์ ปละคามินทร์

๒๓) นางสาวนิศากรรัตน์ ศรีสกุลศิริโชค

๒๔) นางสาวเจตจิรพร ทำสะอาด

๒๕) นางสาวสุวรรณ คงทอง

๒๖) นางสาวกรร พัฒทอง

๒๗) นายวิฑูรย์ โมกแก้ว

๒๘) นายวีรพงษ์ เทพดนตรี

๒๙) นายอนุศาสน์ สายดี

๓๐) นายกรวิทย์ เสือศิริกุล

๓๑) นางสาวอิก้า รงค์สวัสดิ์

๓๒) นางสาวมาศวรรณ คงคำ

๓๓) นายสุพิชเช์ อรุณจันทร์

๓๔) นางสาวทัศนีย์ อ่อนคำ

๓๕) นางสาวพรพรรณ สมบูรณ์ธรรม

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๐๑

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๐๒

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๐๓

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๐๔

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๐๕

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๐๖

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๐๗

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๐๘

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๐๙

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๑๐

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๑๑

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๑๒

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๑๓

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๑๔

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๑๕

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๑๖

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๑๗

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๑๘

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๑๙

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๒๐

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๒๑

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๒๒

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๒๓

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๒๔

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๒๕

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๒๖

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๒๗

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๒๘

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๒๙

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๓๐

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๓๑

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๓๒

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๓๓

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๓๔

ทะเบียนเลขที่ ๖-๑๕๕-ค-๐๐๓๕

UNITE ANALYST AND ENGINEERING
CONSULTANT COMPANY LIMITED

นางจินดา เดชะศรีนทร์

ผู้อำนวยการบริษัท ยูไนเต็ด แอนนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด

๓๖) นายสุกัญญ์...

เอกสารแนบท้ายหนังสือขอเชิญทะเบียนห้องปฏิบัติการวิเคราะห์เอกสาร

บริษัท ยูเนียด แอนนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด เลขทะเบียน ว-๑๔๕
ที่ กก ๐๓๑๐(๑)/ ๑๘๗ ๙ ลงวันที่ ๐ ๙ กุมภาพันธ์ ๒๕๖๕

ข. เจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๑๐๖ ราย

- ๑) นายสุพรรณมา แก้วชอนนอก ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๐๑
- ๒) นายสุพรรณมา แก้วชอนนอก ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๐๒
- ๓) นายพีรพันธุ์ เจริญผล ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๐๓
- ๔) นางสาววิไลลักษณ์ เกโธสง ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๐๔
- ๕) นายสมชาติ อุทุมรัตน์ ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๐๕
- ๖) นางสาวปรมาภรณ์ ทองแก้ว ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๐๖
- ๗) นางสาวกัญญา สมพงษ์ ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๐๗
- ๘) นายอรรถพร เทพทอง ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๐๘
- ๙) นางสาวอรรัตน์ พุทธาภิ ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๐๙
- ๑๐) นางสาววรรณิ์ สายบุญเรือน ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๑๐
- ๑๑) นายฤทธิพงษ์ นามทิพย์ ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๑๑
- ๑๒) นางสาวอรภาณ์ อ่อนคง ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๑๒
- ๑๓) นายกิตติศักดิ์ ทรงจำรัส ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๑๓
- ๑๔) นางสาวอักษรินทร์ บุญคง ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๑๔
- ๑๕) นางสาวพรพิมล แวนทอง ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๑๕
- ๑๖) นายวิษณุ สุวรรณราช ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๑๖
- ๑๗) นายอภิวิชญ์ ท่วงที ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๑๗
- ๑๘) นายมานิตย์ ปานโชติ ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๑๘
- ๑๙) นายทศพร ธนะพิรุณห์ ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๑๙
- ๒๐) นางสาวกัญญาณี โยธา ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๒๐
- ๒๑) นางสาวเกวลี สุทธิ ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๒๑
- ๒๒) นางสาวชนัญญ์ อภิพัทธ์ปภา ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๒๒
- ๒๓) นายศิริพัชร จงผดุงเกียรติ ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๒๓
- ๒๔) นางสาวสุภาวดี อิมยาคร์ ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๒๔
- ๒๕) นายพงษ์เทพ เหล่าขจร ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๒๕
- ๒๖) นายชัชวีย์ชัย พันทกซ์ ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๒๖
- ๒๗) นางสาวพัชจิรา คดีพิศาล ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๒๗
- ๒๘) นางสาวเมธิกา เสือคำจันทร์ ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๒๘
- ๒๙) นายกานต์พงศ์ บุญพวง ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๒๙
- ๓๐) นางสาวพริดา เจริญชัยสมบัติ ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๓๐
- ๓๑) นายพนรัตน์ จงโต ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๓๑
- ๓๒) นายพีรพัฒน์ บัญญัติศิลป์ ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๓๒
- ๓๓) นายปริดา ไชยภูมิสกุล ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๓๓
- ๓๔) นายชัชวาลย์ เลื่อนล่อง ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๓๔
- ๓๕) นายปิยะณัฐ ศรีภูโรจน์ ทะเบียนเลขที่ ว-๑๔๕-จ-๐๐๓๕



(นางลินดา เดชะศรีนทร์)

ผู้อำนวยการวิจัยและพัฒนาระบบสารสนเทศ
บริษัท ยูเนียด แอนนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด

๓๖) นายมนกสิษฐ์...

- ๓๖) นายสุกัญญา อุดมกัญญาณ์ ทะเบียนเลขที่ ว-๑๔๕-ค-๐๐๓๖
- ๓๗) นางสาวศิริภาพร เหมือนไร่ ทะเบียนเลขที่ ว-๑๔๕-ค-๐๐๓๗
- ๓๘) นางสาวนิตา ขำนิล ทะเบียนเลขที่ ว-๑๔๕-ค-๐๐๓๘
- ๓๙) นางสาวพรนิภา ธีระจินดาชล ทะเบียนเลขที่ ว-๑๔๕-ค-๐๐๓๙
- ๔๐) นายนาเคนทร์ พันธุ์ชาติกุล ทะเบียนเลขที่ ว-๑๔๕-ค-๐๐๔๐



(นางลินดา เดชะศรีนทร์)

ผู้อำนวยการวิจัยและพัฒนาระบบสารสนเทศ
บริษัท ยูเนียด แอนนาลิสต์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด


UNITE ANALYST AND ENGINEERING
CONSULTANT COMPANY LIMITED


ดำเนินถูกต้อง

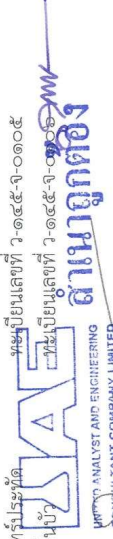
- ๓๖) นายมาลีพันธุ์ ชูธรรมรัตน์
 ๓๗) นายกันนิกร ระโศ
 ๓๘) นายจักรพันธ์ ภูมิรินทร์
 ๓๙) นายปริยญา กลมเกลียว
 ๔๐) นายธีรวัจน์ มาตรโพธิ์ศรี
 ๔๑) นายธีรเมธ สุทธิศรี
 ๔๒) นายบุญฤทธิ์ ก้อนสิน
 ๔๓) นายพรชวุฒิ ไถสกล
 ๔๔) นายอิตะ แลงจันทร์
 ๔๕) นายณัฐพงศ์ เมืองชัย
 ๔๖) นายคณัท เลิศประเสริฐ
 ๔๗) นางสาวนิภาพร จันทเขตต์
 ๔๘) นายพุทธพงษ์ อิสระสุข
 ๔๙) นายรณภพ ภูตระกูลพัฒนา
 ๕๐) นางสาวศิริวรรณ ขอนพา
 ๕๑) นายสมพงศ์ สกลไทย
 ๕๒) นายสุรียัน นีวีเจิดวงศ์
 ๕๓) นายอิชฎาฐ ยนศิริ
 ๕๔) นายเอกวุฒิ เสนอใจ
 ๕๕) นายสุลันต์ บุญเลี้ยง
 ๕๖) นายอนเดช หวานเสนาะ
 ๕๗) นายพิพัฒน์ ต้นธนกุล
 ๕๘) นายอภิสิทธิ์ ศรีคงแก้ว
 ๕๙) นายภูวดล มงคลสูง
 ๖๐) นายอุทัย แก้วรากมุข
 ๖๑) นางสาวนารีพร สานนท์
 ๖๒) นายศุภกร รินวงศ์
 ๖๓) นายศักดิ์สิทธิ์ เกิดซัง
 ๖๔) นางสาวศิริพร อภิการัตน์
 ๖๕) นางสาวจินตสุภา เปลียนศรี
 ๖๖) นางสาวเนตรนภา กมลบูรณ์
 ๖๗) นางสาวอริยา ทรากรมย์
 ๖๘) นายจิรวัฒน์ สุขเกษม
 ๖๙) นายกิตติพงษ์ สอนชัยภูมิ
 ๗๐) นายจุฑา พล สวเทพ
 ๗๑) นางสาวพัชราภรณ์ แสง
 ๗๒) นายรัตนชัย เหล่ามา



(นางจินดา เศษะศรีนทร์)
 ผู้อำนวยการวิจัยและเคื่องกับเลพิชิ่งงาน
 ปฏิบัติการตามเคื่องกับเลพิชิ่งงานอุตสาหกรรม

๓๓) นายอิทธิพงษ์...

- ๓๓) นายอิทธิพงษ์ เศษะศรีนทร์
 ๓๔) นางสาวกรณิการ์ ลำลีทา
 ๓๕) นายฐาปกรณ์ พิมพ์ศรี
 ๓๖) นายพรชัย คุ่มม่วง
 ๓๗) นางสาวทัศนีย์ ไชยหาร
 ๓๘) นายธีรพงษ์ ศรีคำแพง
 ๓๙) นางสาวณัฐชา พรหมศิริ
 ๔๐) นางสาวลัดดาวัลย์ โพธิ์พันธ์
 ๔๑) นางสาวกมลวรรณ เจิมจันทร์
 ๔๒) นายพนรัตน์ จันทะคุณ
 ๔๓) นายปิรวัฒน์ ไหมชู
 ๔๔) นางสาวพรนัชชา กลิ่นนุ่น
 ๔๕) นายณสิทธิ์ ศรีพิมพ์
 ๔๖) นางสาวลลิกา จันทรสุข
 ๔๗) นางสาวกรรณต์ มาลัยทอง
 ๔๘) นางสาวสาธิตา แซ่เตียว
 ๔๙) นายศักดิ์ศันต์ นุ่มนัม
 ๕๐) นายวรพงษ์ นนทจันทร์
 ๕๑) นางสาวนาภา มาคะมาตร
 ๕๒) นางสาวธนภรณ์ คุณานุพันธ์
 ๕๓) นายวิระยุทธ สาระภักดิ์
 ๕๔) นางสาวธิดยา วัระพินธุ์วัฒน์
 ๕๕) นายฤตพล พงศ์สถาพร
 ๕๖) นายณัฐชัย พรหมเอารักษ์
 ๕๗) นายชนินทร์ พานแก้ว
 ๕๘) นายปรัชชาพล โสกรา
 ๕๙) นายวัชรินทร์ แสนงาม
 ๖๐) นางสาวธนาภรณ์ ลาพรม
 ๖๑) นายอาทิตย์ อดมผล
 ๖๒) นายปรวร บุณนาค
 ๖๓) นายอิทธิเดช ใจบุญ
 ๖๔) นายคณิติน พงษ์อิศรานุกร
 ๖๕) นางสาวสุภารัตน์ จันทะประทีด
 ๖๖) นายเสกวุฒิ เอมกลิ่นบัว



(นางจินดา เศษะศรีนทร์)
 ผู้อำนวยการวิจัยและเคื่องกับเลพิชิ่งงาน
 ปฏิบัติการตามเคื่องกับเลพิชิ่งงานอุตสาหกรรม

เอกสารแนบท้ายหนังสือขอขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน

บริษัท ยูไนเต็ด แอมนาลีส์ แอนด์ เอ็นจิเนียริง คอนซัลแตนท์ จำกัด เลขทะเบียน ๖-๑๕๕

ที่ ออ ๐๓๐๐(๑)/ ๑๘๗ ๙ ลงวันที่ ๐๙ กุมภาพันธ์ ๒๕๕๕

ขอขยายสารมลพิษที่ได้รับขึ้นทะเบียนจากกรมโรงงานอุตสาหกรรม จำนวน ๓๕๗ รายการ

น้ำเสีย จำนวน 46 รายการ

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
1	Aldrin	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
2	Arsenic	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾
3	Barium	Digestion, Inductively Coupled Plasma Method ⁽⁴⁾
4	α -BHC	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
5	β -BHC	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
6	δ -BHC	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
7	γ -BHC	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
8	Biochemical Oxygen Demand	1) 5-Day BOD Test, Azide Modification Method ⁽⁴⁾ 2) 5-Day BOD Test, Membrane Electrode Method ⁽⁴⁾
9	Cadmium	1) Digestion, Direct Air-Acetylene Flame Method ⁽⁴⁾ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽⁴⁾
10	Chemical Oxygen Demand	3) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 1) Closed Reflux, Titrimetric Method ⁽⁴⁾ 2) Closed Reflux, Colorimetric Method ⁽⁴⁾ 3) Open Reflux, Titrimetric Method ⁽⁴⁾
11	Chlordane	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
12	Chromium	1) Digestion, Direct Air-Acetylene Flame Method ⁽⁴⁾ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽⁴⁾
13	Color	3) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾
14	Copper	ADMI Weighted-Ordinate Spectrophotometric Method ⁽⁴⁾
15	Cyanide	1) Digestion, Direct Air-Acetylene Flame Method ⁽⁴⁾ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽⁴⁾ 3) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
16	o,p'-DDT	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
17	4,4'-DDD	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
18	4,4'-DDE	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
19	4,4'-DDT	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
20	Dieldrin	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
21	Endosulfan I	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
22	Endosulfan II	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
23	Endosulfan sulfate	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
24	Endrin	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
25	Endrin aldehyde	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
26	Formaldehyde	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
27	Free Chlorine	Distillation, Colorimetric Method ⁽³⁾ 1) Iodometric Method ⁽⁴⁾ 2) DPD Ferrous Titrimetric Method ⁽⁴⁾
28	Heptachlor	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
29	Heptachlor Epoxide	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
30	Hexavalent Chromium	1) Colorimetric Method ⁽⁴⁾ 2) Extraction, Direct Air-Acetylene Flame Method ⁽⁴⁾
31	Lead	1) Digestion, Direct Air-Acetylene Flame Method ⁽⁴⁾ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽⁴⁾
32	Manganese	3) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ 1) Digestion, Direct Air-Acetylene Flame Method ⁽⁴⁾ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽⁴⁾
33	Mercury	3) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾
34	Methoxychlor	Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ⁽⁴⁾
35	Nickel	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 1) Digestion, Direct Air-Acetylene Flame Method ⁽⁴⁾ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽⁴⁾ 3) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
36	Oil & Grease	1) Liquid-Liquid, Partition-Gravimetric Method ⁽⁴⁾ 2) Soxhlet Extraction Method ⁽⁴⁾ Electrometric Method ⁽⁴⁾
37	pH	
38	Phenols	1) Distillation, Chloroform Extraction Method ⁽⁴⁾ 2) Distillation, Direct Photometric Method ⁽⁴⁾
39	Selenium	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾
40	Sulfide	1) Iodometric Method ⁽⁴⁾ 2) Methylene Blue Method ⁽⁴⁾
41	Temperature	Laboratory and Field Methods ⁽⁴⁾
42	Total Dissolved Solids	Dried at 180 °C ⁽⁴⁾
43	Total Kjeldahl Nitrogen	Semi-Micro-Kjeldahl Method ⁽⁴⁾
44	Total Suspended Solids	Dried at 103-105 °C ⁽⁴⁾
45	Trivalent Chromium	1) Digestion, Direct Air-Acetylene Flame Method; Colorimetric Method; Calculation ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma Method; Colorimetric Method; Calculation ⁽⁴⁾
46	Zinc	1) Digestion, Direct Air-Acetylene Flame Method ⁽⁴⁾ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽⁴⁾ 3) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾

น้ำใต้ดิน จำนวน 126 รายการ

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
1	Acenaphthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
2	Acetone	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
3	Aldrin	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Extraction, Gas Chromatographic/Mass Spectrometric Method⁽⁴⁾

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
4	Anthracene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾ Digestion, Inductively Coupled Plasma Method ⁽⁴⁾
5	Antimony	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ⁽⁴⁾
6	Arsenic	2) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾ Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
7	Atrazine	1) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽⁴⁾
8	Barium	2) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾
9	Benz(a)anthracene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾ Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
10	Benzene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
11	Benzo(b)fluoranthene	2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
12	Benzo(k)fluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
13	Benzoic acid	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
14	Benzo(a)pyrene	2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾

UNITE ANALYST AND ENGINEERING
CONSULTANT COMPANY LIMITED
ดำเนินการตรวจ

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
42	Dibenz(a,h)anthracene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
43	Di-n-butyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
44	1,2-Dichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
45	1,3-Dichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
46	1,4-Dichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
47	3,3'-Dichlorobenzidine	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
48	1,1-Dichloroethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
49	1,2-Dichloroethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
50	1,1-Dichloroethylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
51	cis-1,2-Dichloroethylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
52	trans-1,2-Dichloroethylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
53	2,4-Dichlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
54	1,2-Dichloropropane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
55	1,3-Dichloropropane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
56	1,3-Dichloropropene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
57	Dieldrin	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾

58 Diethyl phthalate...

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
58	Diethyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
59	2,4-Dimethylphenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
60	2,4-Dinitrophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
61	2,4-Dinitrotoluene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
62	2,6-Dinitrotoluene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
63	Di-n-Octyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
64	Endosulfan	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
65	Endrin	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
66	Ethylbenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
67	Fluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
68	Fluorene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
69	Heptachlor	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾

UNITED ANALYST AND ENGINEERING
CONSULTANT COMPANY LIMITED

70 Heptachlor epoxide...

ลำดับ	สารเคมี	วิธีวิเคราะห์
70	Heptachlor epoxide	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
71	Hexachlorobenzene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
72	Hexachloro-1,3-butadiene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
73	n-Hexane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
74	α-HCH	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
75	β-HCH	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
76	γ-HCH	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
77	Hexachlorocyclopentadiene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
78	Hexachloroethane	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
79	Indeno(1,2,3-cd)pyrene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
80	Isophorone	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
81	Lead	1) Digestion, Direct Air-Acetylene Flame Method ⁽⁴⁾ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽⁴⁾ 3) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾

UNIFIED ANALYST AND ENGINEERING CONSULTANT COMPANY LIMITED
ดำเนินการโดย
สำนักวิเคราะห์

ลำดับ	สารเคมี	วิธีวิเคราะห์
82	Manganese	1) Digestion, Direct Air-Acetylene Flame Method ⁽⁴⁾ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽⁴⁾ 3) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾
83	Mercury	Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ⁽⁴⁾
84	Methanol	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
85	Methoxychlor	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾
86	Methyl bromide	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
87	Methylene chloride	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
88	2-Methylphenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
89	2-Methylnaphthalene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
90	Methyl tert-butyl ether	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
91	Naphthalene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
92	Nickel	1) Digestion, Direct Air-Acetylene Flame Method ⁽⁴⁾ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽⁴⁾ 3) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾
93	Nitrobenzene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
94	N-Nitrosodiphenylamine	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
95	N-Nitrosodi-n-propylamine	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾

UNIFIED ANALYST AND ENGINEERING CONSULTANT COMPANY LIMITED
ดำเนินการโดย
สำนักวิเคราะห์

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
96	Polychlorinated Biphenyls - PCB 1016 - PCB 1221 - PCB 1232 - PCB 1242 - PCB 1248 - PCB 1254 - PCB 1260	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
97	Pentachlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾ Electrometric Method ⁽⁴⁾
98	pH	
99	Phenanthrene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
100	Phenol	1) Distillation, Chloroform Extraction Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
101	Pyrene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
102	Selenium	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ⁽⁴⁾ 2) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾
103	Silver	Digestion, Inductively Coupled Plasma Method ⁽⁴⁾
104	Styrene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
105	1,1,2,2-Tetrachloroethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
106	Tetrachloroethylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
107	Toluene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾ Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾

วิธีวิเคราะห์
Purge and Trap Gas Chromatographic/Mass Spectrometric Method⁽⁴⁾
วิธีวิเคราะห์
Purge and Trap Gas Chromatographic/Mass Spectrometric Method⁽⁴⁾

UNIFIED ANALYST AND ENGINEERING
CONSULTANT COMPANY LIMITED

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
108	Toxaphene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽⁴⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
109	TPH (C ₅ - C ₈)	1) Purge and Trap, Gas Chromatographic Method ^(11,21) 2) Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(11,25)
110	TPH (C ₈ - C ₁₆)	Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(9,21)
111	TPH (C ₁₆ - C ₃₅)	Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(9,21)
112	1,2,4-Trichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
113	1,1,1-Trichloroethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
114	1,1,2-Trichloroethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
115	Trichloroethylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
116	2,4,5-Trichlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
117	2,4,6-Trichlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
118	1,3,5-Trimethylbenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
119	Vanadium	Digestion, Inductively Coupled Plasma Method ⁽⁴⁾
120	Vinyl acetate	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
121	Vinyl chloride	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
122	m-Xylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾
123	o-Xylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽⁴⁾

วิธีวิเคราะห์
Purge and Trap Gas Chromatographic/Mass Spectrometric Method⁽⁴⁾
วิธีวิเคราะห์
Purge and Trap Gas Chromatographic/Mass Spectrometric Method⁽⁴⁾

UNIFIED ANALYST AND ENGINEERING
CONSULTANT COMPANY LIMITED

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
124	p-Xylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ^[4]
125	Xylene (Total)	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ^[4]
126	Zinc	1) Digestion, Direct Air-Acetylene Flame Method ^[4] 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[4] 3) Digestion, Inductively Coupled Plasma Method ^[4]

อากาศเสีย (ปล่อยระบาย) จำนวน 25 รายการ

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
1	Antimony	Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ^[5]
2	Arsenic	1) Isokinetic Sampling, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^[5] 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ^[5]
3	Cadmium	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method ^[5] 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ^[5]
4	Carbon Monoxide	Instrumental Analyzer Method ^[5]
5	Chlorine	Isokinetic Sampling, Ion Chromatographic Method ^[5]
6	Chromium	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method ^[5] 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ^[5]
7	Cobalt	Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ^[5]
8	Copper	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method ^[5] 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ^[5]
9	Cresol	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ^[5] 2) Adsorption Sampling, Gas Chromatographic Method ^[5]

CONSULTANT COMPANY LIMITED

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
10	Dioxins/Furans	Isokinetic Sampling ^[5]
11	Hydrogen Chloride	Isokinetic Sampling, Ion Chromatographic Method ^[5]
12	Hydrogen Fluoride	Isokinetic Sampling, Ion Chromatographic Method ^[5]
13	Hydrogen Sulfide	Absorption Sampling, Iodometric Method ^[5]
14	Lead	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method ^[5] 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ^[5]
15	Manganese	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method ^[5] 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ^[5]
16	Mercury	Isokinetic Sampling, Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^[5]
17	Nickel	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method ^[5] 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ^[5]
18	Opacity	Ringelmann's Method ^[1]
19	Oxides of Nitrogen	1) Absorption Sampling, Phenoldisulfonic acid Method ^[5] 2) Instrumental Analyzer Method ^[5]
20	Selenium	1) Isokinetic Sampling, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^[5] 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ^[5]
21	Sulfur Dioxide	1) Absorption Sampling, Barium-Thorin Titrimetric Method ^[5] 2) Instrumental Analyzer Method ^[5]
22	Sulfuric Acid	Isokinetic Sampling, Barium-Thorin Titrimetric Method ^[5]
23	Total Suspended Particulate	Isokinetic Sampling, Gravimetric Method ^[5]
24	Vanadium	Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ^[5]
25	Xylene	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ^[5] 2) Adsorption Sampling, Gas Chromatographic Method ^[5]

สิ่งปลูกสร้างหรือวัสดุที่ไม่ใช้แล้ว จำนวน 35 รายการ

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
1	Aldrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^[2,9,22] 2) Ultrasonic Extraction, Gas Chromatographic Method ^[10,22] Digestion, Inductively Coupled Plasma Method ^[7,13]
2	Antimony	1) Waste Extraction, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^[2,6,13]
3	Arsenic	2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^[2,6,13] 3) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^[7,13] 4) Digestion, Inductively Coupled Plasma Method ^[7,13]
4	Barium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^[2,6,13] 2) Digestion, Inductively Coupled Plasma Method ^[7,13]
5	Beryllium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^[2,6,13] 2) Digestion, Inductively Coupled Plasma Method ^[7,13]
6	Cadmium	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^[2,6,14] 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^[2,6,13] 3) Digestion, Flame Atomic Absorption Spectrometric Method ^[7,14] 4) Digestion, Inductively Coupled Plasma Method ^[7,13]
7	Chlordane	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^[2,9,22] 2) Ultrasonic Extraction, Gas Chromatographic Method ^[10,22]
8	Chromium	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^[2,6,14] 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^[7,13] 3) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^[2,9,22] 4) Ultrasonic Extraction, Gas Chromatographic Method ^[10,22]

WASTE EXTRACTION, DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD
ANALYSIS
CONSULTANT COMPANY LIMITED

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
9	Chromium (III)	3) Digestion, Flame Atomic Absorption Spectrometric Method ^[7,14] 4) Digestion, Inductively Coupled Plasma Method ^[7,13] 1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method; Waste Extraction, Colorimetric Method; Calculation ^[2,6,14,16] 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method; Waste Extraction, Colorimetric Method; Calculation ^[2,6,13,16] 3) Digestion, Flame Atomic Absorption Spectrometric Method; Alkaline Digestion, Colorimetric Method; Calculation ^[7,8,14,16] 4) Digestion, Inductively Coupled Plasma Method; Alkaline Digestion, Colorimetric Method; Calculation ^[7,8,13,16]
10	Chromium (VI)	1) Waste Extraction, Colorimetric Method ^[2,16] 2) Alkaline Digestion, Colorimetric Method ^[8,16]
11	Cobalt	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^[2,6,13]
12	Copper	2) Digestion, Inductively Coupled Plasma Method ^[7,13] 1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^[2,6,14] 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^[2,6,13] 3) Digestion, Flame Atomic Absorption Spectrometric Method ^[7,14] 4) Digestion, Inductively Coupled Plasma Method ^[7,13]
13	2,4-D	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^[2,9,22] 2) Ultrasonic Extraction, Gas Chromatographic Method ^[10,22]
14	DDD	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^[2,9,22] 2) Ultrasonic Extraction, Gas Chromatographic Method ^[10,22]

WASTE EXTRACTION, DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD
ANALYSIS
CONSULTANT COMPANY LIMITED

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
15	DDE	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(2,9,22) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(10,22)
16	DDT	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(2,9,22) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(10,22)
17	Dieldrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(2,9,22) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(10,22)
18	Endrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(2,9,22) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(10,22)
19	Heptachlor	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(2,9,22) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(10,22)
20	Lead	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(2,6,14) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(2,6,13) 3) Digestion, Flame Atomic Absorption Spectrometric Method ^(7,14) 4) Digestion, Inductively Coupled Plasma Method ^(7,13)
21	Lindane	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(2,9,22) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(10,22)
22	Mercury	1) Waste Extraction, Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^(2,17) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(2,6,13)

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
23	Methoxychlor	3) Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ⁽¹⁸⁾ 4) Digestion, Inductively Coupled Plasma Method ^(7,13) 5) Thermal Decomposition Amalgamation and Atomic Absorption Spectrometric Method ⁽¹⁹⁾ 1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(2,9,22) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(10,22)
24	Molybdenum	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(2,6,13) 2) Digestion, Inductively Coupled Plasma Method ^(7,13)
25	Nickel	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(2,6,14) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(2,6,13) 3) Digestion, Flame Atomic Absorption Spectrometric Method ^(7,14) 4) Digestion, Inductively Coupled Plasma Method ^(7,13)
26	Polychlorinated Biphenyls - Aroclor 1016 - Aroclor 1221 - Aroclor 1232 - Aroclor 1242 - Aroclor 1248 - Aroclor 1254 - Aroclor 1260 - 2-Chlorobiphenyl - 2,3-Dichlorobiphenyl - 2,2',5'-Trichlorobiphenyl - 2,4',5'-Trichlorobiphenyl - 2,2',3,5'-Tetrachlorobiphenyl - 2,2',5,5'-Tetrachlorobiphenyl - 2,3',4,4'-Tetrachlorobiphenyl - 2,2',3,4,5'-Pentachlorobiphenyl	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(2,9,23) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(10,23) <i>ส. (พ.จ.)</i>

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
	- 2,2',4,5,5'-Pentachlorobiphenyl - 2,3,3',4',6-Pentachlorobiphenyl - 2,2',3,4,4',5'-Hexachlorobiphenyl - 2,2',3,4,5,5'-Hexachlorobiphenyl - 2,2',3,5,5',6-Hexachlorobiphenyl - 2,2',4,4',5,5'-Hexachlorobiphenyl - 2,2',3,3',4,4',5-Heptachlorobiphenyl - 2,2',3,4,4',5,5'-Heptachlorobiphenyl - 2,2',3,4,4',5',6-Heptachlorobiphenyl - 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl Pentachlorophenol	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(2,9,28) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26) Electrometric Method ^(31,32) 1) Waste Extraction, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(2,6,20) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(2,6,13) 3) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(2,6,20) 4) Digestion, Inductively Coupled Plasma Method ^(7,13)
27	pH Selenium	
28		
29		

30 Silver...

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
30	Silver	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(2,6,13) 2) Digestion, Inductively Coupled Plasma Method ^(7,13)
31	Thallium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(2,6,13) 2) Digestion, Inductively Coupled Plasma Method ^(7,13)
32	Toxaphene	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(2,9,22) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(10,22)
33	Trichloroethylene	1) Waste Extraction, Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(2,12,25) 2) Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
34	Vanadium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(2,6,13) 2) Digestion, Inductively Coupled Plasma Method ^(7,13)
35	Zinc	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(2,6,14) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(2,6,13) 3) Digestion, Flame Atomic Absorption Spectrometric Method ^(7,14) 4) Digestion, Inductively Coupled Plasma Method ^(7,13)

ดิน จำนวน 125 รายการ

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
1	Acenaphthene	1) Ultrasonic Extraction, Gas Chromatographic Method ^(10,24) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
2	Acetone	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(2,6,13)

3 Aldrin...

ลำดับ	สารเคมี	วิธีวิเคราะห์
3	Aldrin	1) Ultrasonic Extraction, Gas Chromatographic Method ^[10,22] 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
4	Anthracene	1) Ultrasonic Extraction, Gas Chromatographic Method ^[10,26] 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26] Digestion, Inductively Coupled Plasma Method ^[7,13]
5	Antimony	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^[7,15] 2) Digestion, Inductively Coupled Plasma Method ^[7,13]
6	Arsenic	1) Digestion, Inductively Coupled Plasma Method ^[7,13] 2) Digestion, Inductively Coupled Plasma Method ^[7,13]
7	Atrazine	1) Ultrasonic Extraction, Gas Chromatographic Method ^[10,24] 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
8	Barium	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
9	Benz(a)anthracene	1) Ultrasonic Extraction, Gas Chromatographic Method ^[10,24] 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
10	Benzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
11	Benzo(b)fluoranthene	1) Ultrasonic Extraction, Gas Chromatographic Method ^[10,24] 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
12	Benzo(k)fluoranthene	1) Ultrasonic Extraction, Gas Chromatographic Method ^[10,24] 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
13	Benzoic acid	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
14	Benzo(a)pyrene	1) Ultrasonic Extraction, Gas Chromatographic Method ^[10,24] 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]

ลำดับ	สารเคมี	วิธีวิเคราะห์
15	Benzo(g,h,i)perylene	1) Ultrasonic Extraction, Gas Chromatographic Method ^[10,22] 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26] Digestion, Inductively Coupled Plasma Method ^[7,13]
16	Beryllium	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
17	Bis(2-chloroethyl)ether	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
18	Bis(2-ethylhexyl)phthalate	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
19	Bromodichloromethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
20	Bromoform	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
21	Butanol	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
22	Butyl benzyl phthalate	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
23	Cadmium	1) Digestion, Flame Atomic Absorption Spectrometric Method ^[7,14] 2) Digestion, Inductively Coupled Plasma Method ^[7,13]
24	Carbazole	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
25	Carbon disulfide	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
26	Carbon tetrachloride	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
27	Chlordane	1) Ultrasonic Extraction, Gas Chromatographic Method ^[10,22] 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
28	p-Chloroaniline	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
29	Chlorobenzene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
30	Chlorodibromomethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
31	Chloroform	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
32	2-Chlorophenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
33	Chromium	1) Digestion, Flame Atomic Absorption Spectrometric Method ^[7,14] 2) Digestion, Inductively Coupled Plasma Method ^[7,13]
34	Chromium (III)	1) Digestion, Flame Atomic Absorption Spectrometric Method; Alkaline Digestion, Colorimetric Method; Calculation ^[7,8,14,16] 2) Digestion, Inductively Coupled Plasma Method; Alkaline Digestion, Colorimetric Method; Calculation ^[7,8,13,16]
35	Chromium (VI)	Alkaline Digestion, Colorimetric Method ^[8,16]
36	Chrysene	1) Ultrasonic Extraction, Gas Chromatographic Method ^[10,24] 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
37	Cyanide	Extraction, Distillation, Colorimetric Method ^[28,29,30]
38	2,4-D	Ultrasonic Extraction, Gas Chromatographic Method ^[27]
39	DDD	1) Ultrasonic Extraction, Gas Chromatographic Method ^[10,22] 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
40	DDE	1) Ultrasonic Extraction, Gas Chromatographic Method ^[10,22] 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
41	DDT	1) Ultrasonic Extraction, Gas Chromatographic Method ^[10,22] 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
42	Dibenz(a,h)anthracene	1) Ultrasonic Extraction, Gas Chromatographic Method ^[10,24] 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]

43 Di-n-butyl phthalate...

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
43	Di-n-butyl phthalate	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
44	1,2-Dichlorobenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
45	1,3-Dichlorobenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
46	1,4-Dichlorobenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
47	3,3'-Dichlorobenzidine	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
48	1,1-Dichloroethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
49	1,2-Dichloroethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
50	1,1-Dichloroethylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
51	cis-1,2-Dichloroethylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
52	trans-1,2-Dichloroethylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
53	2,4-Dichlorophenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
54	1,2-Dichloropropane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
55	1,3-Dichloropropane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
56	1,3-Dichloropropene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^[12,25]
57	Dieldrin	1) Ultrasonic Extraction, Gas Chromatographic Method ^[10,22] 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
58	Diethyl phthalate	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]
59	2,4-Dimethylphenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^[10,26]

60 2,4-Dinitrophenol...

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
60	2,4-Dinitrophenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
61	2,4-Dinitrotoluene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
62	2,6-Dinitrotoluene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
63	Di-n-Octyl phthalate	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
64	Endosulfan	1) Ultrasonic Extraction, Gas Chromatographic Method ^(10,22) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
65	Endrin	1) Ultrasonic Extraction, Gas Chromatographic Method ^(10,22) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
66	Ethylbenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
67	Fluoranthene	1) Ultrasonic Extraction, Gas Chromatographic Method ^(10,24) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
68	Fluorene	1) Ultrasonic Extraction, Gas Chromatographic Method ^(10,24) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
69	Heptachlor	1) Ultrasonic Extraction, Gas Chromatographic Method ^(10,22) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
70	Heptachlor epoxide	1) Ultrasonic Extraction, Gas Chromatographic Method ^(10,22) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)


งานวิเคราะห์
 UNITED ANALYST AND ENGINEERING
 CONSULTANT COMPANY LIMITED

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
71	Hexachlorobenzene	1) Ultrasonic Extraction, Gas Chromatographic Method ^(10,22) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
72	Hexachloro-1,3-butadiene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
73	n-Hexane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
74	α -HCH	1) Ultrasonic Extraction, Gas Chromatographic Method ^(10,22) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
75	β -HCH	1) Ultrasonic Extraction, Gas Chromatographic Method ^(10,22) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
76	γ -HCH	1) Ultrasonic Extraction, Gas Chromatographic Method ^(10,22) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
77	Hexachlorocyclopentadiene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
78	Hexachloroethane	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
79	Indeno(1,2,3-cd)pyrene	1) Ultrasonic Extraction, Gas Chromatographic Method ^(10,24) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
80	Isophorone	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
81	Lead	1) Digestion, Flame Atomic Absorption Spectrometric Method ^(7,14)
82	Manganese	2) Digestion, Inductively Coupled Plasma Method ^(7,13) 1) Digestion, Flame Atomic Absorption Spectrometric Method ^(7,14) 2) Digestion, Inductively Coupled Plasma Method ^(7,13)


งานวิเคราะห์
 UNITED ANALYST AND ENGINEERING
 CONSULTANT COMPANY LIMITED

ลำดับ	สารเคมี	วิธีวิเคราะห์
97	- 2,2',3,4',5,5',6-Heptachlorobiphenyl - 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl Pentachlorophenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26) 1) Ultrasonic Extraction, Gas Chromatographic Method ^(10,24) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
98	Phenanthrene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
99	Phenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
100	Pyrene	1) Ultrasonic Extraction, Gas Chromatographic Method ^(10,24) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
101	Selenium	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(7,22) 2) Digestion, Inductively Coupled Plasma Method ^(7,13)
102	Silver	Digestion, Inductively Coupled Plasma Method ^(7,13)
103	Styrene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
104	1,1,2,2-Tetrachloroethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
105	Tetrachloroethylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
106	Toluene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
107	Toxaphene	Purge and Trap, Gas Chromatographic Method ^(10,22)
108	TPH (C ₅ -C ₈)	1) Purge and Trap, Gas Chromatographic Method ^(12,21) 2) Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
109	TPH (C ₈ -C ₁₆)	Spectrometric Method ^(12,25)
110	TPH (C ₁₆ -C ₃₅)	Ultrasonic Extraction, Gas Chromatographic Method ^(10,21) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
111	1,2,4-Trichlorobenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)

112 1,1,1-Trichloroethane...

ลำดับ	สารเคมี	วิธีวิเคราะห์
112	1,1,1-Trichloroethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
113	1,1,2-Trichloroethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
114	Trichloroethylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
115	2,4,5-Trichlorophenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
116	2,4,6-Trichlorophenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(10,26)
117	1,3,5-Trimethylbenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
118	Vanadium	Digestion, Inductively Coupled Plasma Method ^(7,13)
119	Vinyl acetate	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
120	Vinyl chloride	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
121	m-Xylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
122	o-Xylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
123	p-Xylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
124	Xylene (Total)	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(12,25)
125	Zinc	1) Digestion, Flame Atomic Absorption Spectrometric Method ^(7,14) 2) Digestion, Inductively Coupled Plasma Method ^(7,13)

เอกสารอ้างอิง

- กระทรวงอุตสาหกรรม. ประกาศกระทรวงอุตสาหกรรม. พ.ศ. 2549. เรื่อง กำหนดค่าปริมาณเข้ามาควมที่เจือปนในอากาศที่ระบายออกจากเครื่องจักรที่ใช้แก๊สเป็นเชื้อเพลิง. ราชกิจจานุเบกษา. 4 ธันวาคม 2549. เล่มที่ 123 ตอนพิเศษ 125 ง.
- กระทรวงอุตสาหกรรม. ประกาศกระทรวงอุตสาหกรรม พ.ศ. 2548. เรื่อง กำหนดค่าปริมาณที่เจือปนในอากาศที่ระบายออกจากเครื่องจักรที่ใช้แก๊สเป็นเชื้อเพลิง. ราชกิจจานุเบกษา. 25 มกราคม 2549. เล่มที่ 123 ตอนพิเศษ 11 ง.

3. สมาคมวิศวกรรมสิ่งแวดล้อมแห่งประเทศไทย. คู่มือวิเคราะห์น้ำเสีย. พิมพ์ครั้งที่ 4. กรุงเทพมหานคร: เรือนแก้วการพิมพ์, 2547.

4. APHA, AWWA, WEF. **Standard Methods for the Examination of Water and Wastewater**. 23rd ed. Washington, DC: APHA, 2017.

5. United States Environmental Protection Agency. **Standards of Performance for New Stationary Sources**. 40 CFR 60. Appendix A, 2019.

6. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods**. SW-846, 1997.

7. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Acid Digestion of Sediments, Sludges, and Soils. SW-846 Method 3050B**, 1996.

8. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Alkaline Digestion for Hexavalent Chromium. SW-846 Method 3060A**, 1996.

9. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste 3. Physical/Chemical Methods. Separatory Funnel Liquid-Liquid Extraction. SW-846 Method 3510C**, 1996.

10. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Ultrasonic Extraction. SW-846 Method 3550C**, 2007.

11. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Purge and Trap for Aqueous Samples. SW-846 Method 5030C**, 2003.

12. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Closed System Purge and Trap and Extraction for Volatile Organics in Soil and Waste Sample. SW-846 Method 5035A**, 2000.

13. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Inductively Coupled Plasma-Optical Emission Spectrometry. SW-846 Method 6010D**, 2014.

14. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Flame Atomic Absorption Spectrophotometry. SW-846 Method 7000B**, 2007.

15. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Arsenic (Atomic Absorption, Gaseous Hydride). SW-846 Method 7061A**, 1992. 

UAE
UNITED ANALYST AND ENGINEERING
CONSULTANT COMPANY LIMITED

ด้านถูกต้อง

16. United States...

16. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Chromium, Hexavalent (Colorimetric). SW-846 Method 7196A**, 1992.

17. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Mercury in Liquid Waste (Manual Cold Vapor Technique). SW-846 Method 7470A**, 1994.

18. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique). SW-846 Method 7471B**, 1998.

19. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Mercury in Solids and Solutions by Thermal Decomposition, Amalgamation, and Atomic Absorption Spectrophotometry. SW-846 Method 7473**, 2007.

20. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Selenium (Atomic Absorption, Borohydride Reduction). SW-846 Method 7742**, 1994.

21. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Nonhalogenated Organics Using GC/FID. SW-846 Method 8015D**, 2003.

22. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Organochlorine Pesticides by Gas Chromatography. SW-846 Method 8081B**, 2007.

23. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Polychlorinated Biphenyls (PCBs) by Gas Chromatography. SW-846 Method 8082A**, 2007.

24. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Polynuclear Aromatic Hydrocarbons. SW-846 Method 8100**, 1980.

25. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry. SW-846 Method 8260D**, 2018.

26. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry. SW-846 Method 8270E**, 2018.

27. United States Environmental Protection Agency. **Test Methods for Evaluation Solid Waste Physical/Chemical Methods. Chlorinated Herbicides by GC/MS Methylation**
Pentafluorobenzoylation Derivatization. SW-846 Method 8151A, 1996. 

UAE
UNITED ANALYST AND ENGINEERING
CONSULTANT COMPANY LIMITED

ด้านถูกต้อง

28. United States...

28. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. **Total and Amenable Cyanide : Distillation. SW-846 Method 9010C**, 2004.
29. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. **Cyanide Extraction Procedure for Solids and Oils. SW-846 Method 9013A**, 2014.
30. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. **Cyanide in Waters and Extracts using Titrimetric and Manual Spectrophotometric Procedures. SW-846 Method 9014**, 2014.
31. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. **pH Electrometric Measurement. SW-846 Method 9040C**, 2004.
32. United States Environmental Protection Agency. Test Methods for Evaluation Solid Waste Physical/Chemical Methods. **Soil and Waste pH. SW-846 Method 9045D**, 2004. *สมย*

