

# ผลวิเคราะห์คุณภาพน้ำทิ้ง โครงการ KANTARY HOTEL AYUTTHAYA



United Analyst and Engineering Consultant Co., Ltd.

3 Soi Udomsuk 41, Sukhumvit Road, Bangchak, Phra Khanong, Bangkok 10260

Tel. 0 2763 2828 Fax 0 2763 2600 www.uaeconsultant.com E-mail: uae@uaeconsultant.com



NSC-TISI-TIS 17025  
TESTING 9207



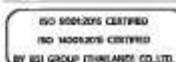
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No. 0063

## ANALYSIS REPORT

**CUSTOMER NAME** : RANGSIT PROSPER ESTATE COMPANY LIMITED (KANTARY HOTEL AYUTTHAYA)  
**ADDRESS** : 168 MOO 1 ROJANA ROAD THANU UTHAI PHRA NAKHON SI AYUTTHAYA 13000  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HOTEL AYUTTHAYA  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : JULY 15, 2020  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG

**RECEIVED DATE** : JULY 16, 2020  
**ANALYTICAL DATE** : JULY 16-22, 2020  
**REPORT NO.** : 2020-U48252  
**WORK NO.** : 2020-004474  
**ANALYSIS NO.** : T20AL183-0001 - T20AL183-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 T20AL183-0001	2 T20AL183-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: 4500-H <sup>+</sup> B)	6.4 (25°C)	7.3 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>c</sup>	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	1,485	4.7	≤ 30	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	1,382	7.2	≤ 40	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C (SM: 2540 C)	685	362	500 <sup>a</sup>	25
SETTLABLE SOLIDS <sup>d</sup>	ml/L	IMHOFF CONE (SM: 2540 F)	50.0	< 0.1	≤ 0.5	0.1
SULPHIDE <sup>e</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	2.60	ND	≤ 1.0	0.13
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD UAETP.TN.02 (KJELDAHL METHOD); SM: 4500-Norg C	87.7	< LOQ	≤ 35	15
FAT, OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	208	ND	≤ 20	3
RESIDUAL CHLORINE <sup>e</sup>	mg/L Cl <sub>2</sub>	IODOMETRIC METHOD I (SM: 4500-Cl B)	ND	ND	-	0.1



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- REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

1/2



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 T20AL183-0001	2 T20AL183-0002		
MICROBIOLOGY						
COLIFORM BACTERIA <sup>a</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM 9221B)	>100,000	23	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			BROWN/TURBID	YELLOW/CLEAR		
SEDIMENT			BROWN	BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>RD</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>RD</sup> EDITION, 2017.

RESULT 1 : INFLUENT

RESULT 2 : EFFLUENT

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005.

500<sup>a</sup> : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED  
(TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1,000 mg/L).

ND : NON-DETECTABLE.

< LOQ : < LEVEL OF QUANTITATION (TOTAL KJELDAHL NITROGEN  $\geq 1.5$  AND < 5.0 mg/L).

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

JULY 31, 2020

## ANALYSIS REPORT

**CUSTOMER NAME** : RANGSIT PROSPER ESTATE COMPANY LIMITED (KANTARY HOTEL AYUTTHAYA)  
**ADDRESS** : 168 MOO 1 ROJANA ROAD THANU UTHAI PHRA NAKHON SI AYUTTHAYA 13000  
**CONTACT INFORMATION** : TEL : 0 2233 8969-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HOTEL AYUTTHAYA  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : AUGUST 19, 2020  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG  
**RECEIVED DATE** : AUGUST 20, 2020  
**ANALYTICAL DATE** : AUGUST 20-26, 2020  
**REPORT NO.** : 2020-U57201  
**WORK NO.** : 2020-005121  
**ANALYSIS NO.** : T20AN341-0001 - T20AN341-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 T20AN341-0001	2 T20AN341-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM 4500-H <sup>+</sup> B)	7.0 (25°C)	7.2 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>c</sup>	mg/L	AZIDE MODIFICATION METHOD (SM 4500-O <sub>2</sub> C AND 5210 B)	222	7.3	≤ 30	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM 2540 D)	119	13.1	≤ 40	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C (SM 2540 C)	534	420	500 <sup>a</sup>	25
SETTLABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM 2540 F)	2.0	< 0.1	≤ 0.5	0.1
SULPHIDE <sup>d</sup>	mg/L	IODOMETRIC METHOD (SM 4500-S <sup>2-</sup> F)	0.30	ND	≤ 1.0	0.13
TOTAL KJELDAHL NITROGEN <sup>e</sup>	mg/L	IN-HOUSE METHOD UAE/TP.TN.02 (KJELDAHL METHOD); SM 4500-Nitrog C	33.3	< LOQ	≤ 35	1.5
FAT, OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM 5520 B)	7	ND	≤ 20	3
RESIDUAL CHLORINE <sup>f</sup>	mg/L Cl <sub>2</sub>	IODOMETRIC METHOD I (SM 4500-Cl B)	ND	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSTS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 T20AK341-0001	2 T20AK341-0002		
MICROBIOLOGY						
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	>160,000	< 1.8	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/CLEAR		
SEDIMENT			BROWN	BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>RD</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>RD</sup> EDITION, 2017.

RESULT 1 : INFLUENT

RESULT 2 : EFFLUENT

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE  
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 122,  
PART 125 D, DATED DECEMBER 29, 2005.

500<sup>a</sup> : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED  
(TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1000 mg/L).

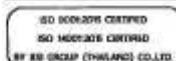
ND : NON-DETECTABLE

< LOQ : < LEVEL OF QUANTITATION (TOTAL KJELDAHL NITROGEN  $\geq 1.5$  AND < 5.0 mg/L).

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

SEPTEMBER 1, 2020



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2020-U57201



## ANALYSIS REPORT

**CUSTOMER NAME** : RANGSIT PROSPER ESTATE COMPANY LIMITED (KANTARY HOTEL AYUTTHAYA)  
**ADDRESS** : 168 MOO 1 ROJANA ROAD THANU UTHAI PHRA NAKHON SI AYUTTHAYA 13000  
**CONTACT INFORMATION** : TEL : 0 2233 8969-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HOTEL AYUTTHAYA  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : SEPTEMBER 16, 2020  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG

**RECEIVED DATE** : SEPTEMBER 17, 2020  
**ANALYTICAL DATE** : SEPTEMBER 17 - 23, 2020  
**REPORT NO.** : 2020-U64230  
**WORK NO.** : 2020-005782  
**ANALYSIS NO.** : T20A0990-0001 - T20A0990-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 T20A0990-0001	2 T20A0990-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: 4500-H <sup>+</sup> B)	7.0 (25°C)	7.3 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>c</sup>	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	190	5.3	≤ 30	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	76.2	12.5	≤ 40	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C (SM: 2540 C)	475	348	500 <sup>a</sup>	25
SETTLEABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: 2540 F)	0.8	< 0.1	≤ 0.5	0.1
SULPHIDE <sup>d</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	0.51	ND	≤ 1.0	0.13
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD UAE.TP.TN.02 (KJELDAHL METHOD); SM: 4500-Norg C	30.9	< LOQ	≤ 35	15
FAT, OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	19	ND	≤ 20	3
RESIDUAL CHLORINE <sup>e</sup>	mg/L Cl <sub>2</sub>	DPD FERROUS TITRIMETRIC METHOD (SM: 4500-Cl F)	ND	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 T20A0990-0001	2 T20A0990-0002		
MICROBIOLOGY						
COULFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM 9221 B)	>150,000	< 1.8	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/CLEAR		
SEDIMENT			BROWN	BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>RD</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>RD</sup> EDITION, 2017.

RESULT 1 : INFLUENT

RESULT 2 : EFFLUENT

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 122, PART 125 D, DATED DECEMBER 29, 2005.

500<sup>a</sup> : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED  
(TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1000 mg/L).

ND : NON-DETECTABLE.

< LOQ : < LEVEL OF QUANTITATION (TOTAL KJELDAHL NITROGEN  $\geq 1.5$  AND < 5.0 mg/L).

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

OCTOBER 5, 2020



United Analyst and Engineering Consultant Co., Ltd.

3 Soi Udomsak 41, Sukhumvit Road, Bangchak, Phraekhanong, Bangkok 10260

Tel. 0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com



NSC-TISI-TIS 17025  
TESTING 0297



TESTING  
No. 0063

## ANALYSIS REPORT

**CUSTOMER NAME** : KASEMKO COMPANY LIMITED  
**ADDRESS** : 168 MOO 1 BOJANA THANI UTHAI PHRA NAKHON SI AYUTTHAYA 13210  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HOTEL AYUTTHAYA  
**SAMPLE TYPE** : WASTEWATER  
**RECEIVED DATE** : OCTOBER 8, 2020  
**SAMPLING DATE** : OCTOBER 7, 2020  
**ANALYTICAL DATE** : OCTOBER 8-14, 2020  
**SAMPLING TIME** : -  
**REPORT NO.** : 2020-U68467  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**WORK NO.** : 2020-006480  
**SAMPLING BY** : CUSTOMER  
**ANALYSIS NO.** : T20AQ263-0001 - T20AQ263-0002  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 T20AQ263-0001	2 T20AQ263-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: 4500-H <sup>+</sup> B)	6.8 (25°C)	7.3 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>c</sup>	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	212	3.8	≤ 30	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	184	9.8	≤ 40	5.0
TOTAL DISSOLVED SOLIDS <sup>a</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C (SM: 2540 C)	480	340	500 <sup>a</sup>	25
SETTLABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: 2540 F)	3.5	< 0.1	≤ 0.5	0.1
SULPHIDE <sup>b</sup>	mg/L	ICOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	0.62	ND	≤ 1.0	0.13
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD UAE.TP.TN.02 (KJELDAHL METHOD); SM: 4500-Norg C	33.3	< LOQ	≤ 35	1.5
FAT, OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	41	ND	≤ 20	3
RESIDUAL CHLORINE <sup>a</sup>	mg/L Cl <sub>2</sub>	DPO FERROUS TITRIMETRIC METHOD (SM: 4500-Cl F)	ND	ND	-	0.1

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ISO 14001:2015 CERTIFIED  
BY BSI GROUP (THAILAND) CO., LTD.

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 T20AQ263-0001	2 T20AQ263-0002		
MICROBIOLOGY						
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM 9221 B)	>190,000	< 1.8	-	1.8-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/CLEAR		
SEDIMENT			BROWN	BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>RD</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>RD</sup> EDITION, 2017.

RESULT 1 : INFLUENT

RESULT 2 : EFFLUENT

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 122, PART 125 D, DATED DECEMBER 29, 2005.

500<sup>a</sup> : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED (TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1,000 mg/L)

ND : NON-DETECTABLE

&lt; LOQ : &lt; LEVEL OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 15 AND &lt; 5.0 mg/L)



(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

OCTOBER 20, 2020



## ANALYSIS REPORT

**CUSTOMER NAME** : RANGSET PROSPER ESTATE COMPANY LIMITED (KANTARY HOTEL AYUTTHAYA)  
**ADDRESS** : 168 MOO 1 ROJANA ROAD THANU UTHAI PHRA NAKHON SI AYUTTHAYA 13000  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasetmkj.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HOTEL AYUTTHAYA  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : NOVEMBER 4, 2020  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG

**RECEIVED DATE** : NOVEMBER 5, 2020  
**ANALYTICAL DATE** : NOVEMBER 5-11, 2020  
**REPORT NO.** : 2020-U75831  
**WORK NO.** : 2020-007221  
**ANALYSIS NO.** : T20AR915-0001 - T20AR915-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 T20AR915-0001	2 T20AR915-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: 4500-H <sup>+</sup> B)	7.1 (25°C)	7.4 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>c</sup>	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	251	5.2	≤ 30	2.0
SUSPENDED SOLIDS <sup>d</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	160	10.9	≤ 40	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C (SM: 2540 C)	498	374	500 <sup>e</sup>	25
SETTLABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: 2540 F)	2.5	< 0.1	≤ 0.5	0.1
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD UAETP.TN.02 (KJELDAHL METHOD); SM: 4500-Norg C	36.4	< LOQ	≤ 35	1.5
SULPHIDE <sup>f</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	0.14	ND	≤ 1.0	0.13
FAT, OIL AND GREASE <sup>g</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	32	ND	≤ 20	3
RESIDUAL CHLORINE <sup>h</sup>	mg/L Cl <sub>2</sub>	DPD FERROUS TITRIMETRIC METHOD (SM: 4500-Cl F)	ND	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 T20AR915-0001	2 T20AR915-0002		
MICROBIOLOGY						
COLIFORM BACTERIA <sup>a</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM 9221 B)	>180,000	< 1.8	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/CLEAR		
SEDIMENT			YELLOW	BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

RESULT 1 : INFLUENT

RESULT 2 : EFFLUENT

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE  
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 122,  
PART 125 D, DATED DECEMBER 28, 2005.

500<sup>a</sup> : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED  
(TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1,000 mg/L).

ND : NON-DETECTABLE.

< LOQ : < LEVEL OF QUANTITATION (TOTAL KJELDAHL NITROGEN  $\geq 1.5$  AND < 5.0 mg/L).

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

NOVEMBER 18, 2020

ISO 9001:2015 CERTIFIED  
ISO 14001:2015 CERTIFIED  
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2/2

2020-U75831

## ANALYSIS REPORT

**CUSTOMER NAME** : RANGSIT PROSPER ESTATE COMPANY LIMITED (KANTARY HOTEL AYUTTHAYA)  
**ADDRESS** : 168 MOO 1 ROJANA ROAD THANU UTHAI PHRA NAKHON SI AYUTTHAYA 13000  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HOTEL AYUTTHAYA  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : DECEMBER 10, 2020  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG

**RECEIVED DATE** : DECEMBER 11, 2020  
**ANALYTICAL DATE** : DECEMBER 11-17, 2020  
**REPORT NO.** : 2020-U84685  
**WORK NO.** : 2020-008273  
**ANALYSIS NO.** : T20AU150-0001 - T20AU150-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 T20AU150-0001	2 T20AU150-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM 4500-H <sup>+</sup> B)	6.4 (25°C)	7.4 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>c</sup>	mg/L	AZIDE MODIFICATION METHOD (SM 4500-O <sub>2</sub> C AND 5210 B)	890	6.2	≤ 30	20
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM 2540 D)	528	22.5	≤ 40	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C (SM 2540 C)	760	408	500*	25
SETTLABLE SOLIDS <sup>c</sup>	ml/L	IMHOFF CONE (SM 2540 F)	4.0	0.5	≤ 0.5	0.1
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD UAETP.TN.02 (KJELDAHL METHOD); SM 4500-Norg C	75.5	< LOQ	≤ 35	15
SULPHIDE <sup>d</sup>	mg/L	IODOMETRIC METHOD (SM 4500-S <sup>2-</sup> F)	1.34	ND	≤ 10	0.13
FAT, OIL AND GREASE <sup>b</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM 5520 B)	44	ND	≤ 20	3
RESIDUAL CHLORINE <sup>e</sup>	mg/L Cl <sub>2</sub>	DPD FERROUS TITRIMETRIC METHOD (SM 4500-Cl F)	ND	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 T20AU150-0001	2 T20AU150-0002		
MICROBIOLOGY						
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	>160,000	23	-	18
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			BROWN/TURBID	YELLOW/CLEAR		
SEDIMENT			BROWN	BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>RD</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>RD</sup> EDITION, 2017.

RESULT 1 : INFLUENT

RESULT 2 : EFFLUENT

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 122, PART 125 D, DATED DECEMBER 29, 2005.

500<sup>°</sup> : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED (TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1,000 mg/L).

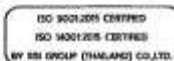
ND : NON-DETECTABLE.

< LOQ : < LEVEL OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

DECEMBER 23, 2020



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2/2

2020-U84685



## ผลวิเคราะห์ค่าสารที่ละลายทั้งหมด (Total dissolved solids; TDS)

### ในน้ำใช้ (น้ำประปา) ของทางโครงการ Kantar Hotel Ayutthaya

(ตรวจวิเคราะห์ค่า TDS -น้ำประปา เพื่อใช้หาค่า TDS น้ำทิ้ง (หลังผ่านระบบบำบัดน้ำเสีย)



United Analyst and Engineering Consultant Co., Ltd.

3 Soi Udomauk 41, Sukhumvit Road, Bangchak, Phrakhanong, Bangkok 10260

Tel. 0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com



TESTING  
No.0063

#### ANALYSIS REPORT

CUSTOMER NAME	: RANGSIT PROSPER ESTATE COMPANY LIMITED (KANTARY HOTEL AYUTTHAYA)	RECEIVED DATE	: JULY 16, 2020
ADDRESS	: 168 MOO 1 ROJANA ROAD THAMU UTHAI PHRA NAKHON SI AYUTTHAYA 13000	ANALYTICAL DATE	: JULY 16-21, 2020
CONTACT INFORMATION	: TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com	REPORT NO.	: 2020-U48253
SAMPLING SOURCE	: KANTARY HOTEL AYUTTHAYA	WORK NO.	: 2020-004474
SAMPLE TYPE	: WATER SUPPLY	ANALYSIS NO.	: T20AL183-0003
SAMPLING DATE	: JULY 15, 2020		
SAMPLING TIME	: -		
SAMPLING METHOD	: GRAB		
SAMPLING BY	: CUSTOMER		
ANALYZED BY	: MISS PORNPIMOL WAENTHONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			WATER SUPPLY T20AL183-0003		
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM 2540 C)	168	≤ 600	25
SAMPLE CONDITION			COLOURLESS/CLEAR		
WATER'S COLOUR/TURBID					
SEDIMENT					

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

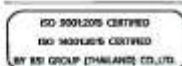
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : WATER SUPPLY STANDARDS, NOTIFICATION OF THE PROVINCIAL WATERWORKS AUTHORITY FOLLOW AS WORLD HEALTH ORGANIZATION (WHO) GUIDELINE VALUE, B.E. 2554 (2011).

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

JULY 31, 2020



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## ANALYSIS REPORT

**CUSTOMER NAME** : RANGSIT PROSPER ESTATE COMPANY LIMITED (KANTARY HOTEL AYUTTHAYA)  
**ADDRESS** : 168 MOO 1 ROJANA ROAD THANU UTHAI PHRA NAKHON SI AYUTTHAYA 13000  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : KANTARY HOTEL AYUTTHAYA  
**SAMPLE TYPE** : WATER SUPPLY  
**SAMPLING DATE** : AUGUST 19, 2020  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG

**RECEIVED DATE** : AUGUST 20, 2020  
**ANALYTICAL DATE** : AUGUST 20-24, 2020  
**REPORT NO.** : 2020-U57203  
**WORK NO.** : 2020-005121  
**ANALYSIS NO.** : T20AN341-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			WATER SUPPLY T20AN341-0003		
TOTAL DISSOLVED SOLIDS <sup>a</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM 2540 C)	257	≤ 600	25
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : WATER SUPPLY STANDARDS, NOTIFICATION OF THE PROVINCIAL WATERWORKS AUTHORITY FOLLOW AS WORLD HEALTH ORGANIZATION (WHO) GUIDELINE VALUE, B.E. 2554 (2011).

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

SEPTEMBER 1, 2020



## ANALYSIS REPORT

**CUSTOMER NAME** : RANGSET PROSPER ESTATE COMPANY LIMITED (KANTARY HOTEL AYUTTHAYA)  
**ADDRESS** : 168 MOO 1 ROJANA ROAD THAMU UTHAI PHRA NAKHON SI AYUTTHAYA 13000  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkj.com  
**SAMPLING SOURCE** : KANTARY HOTEL AYUTTHAYA  
**SAMPLE TYPE** : WATER SUPPLY  
**SAMPLING DATE** : SEPTEMBER 16, 2020  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG

**RECEIVED DATE** : SEPTEMBER 17, 2020  
**ANALYTICAL DATE** : SEPTEMBER 17-22, 2020  
**REPORT NO.** : 2020-U64231  
**WORK NO.** : 2020-005782  
**ANALYSIS NO.** : T20A0990-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			WATER SUPPLY T20A0990-0003		
TOTAL DISSOLVED SOLIDS <sup>a</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM 2540 C)	193	≤ 600	25
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

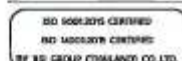
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : WATER SUPPLY STANDARDS, NOTIFICATION OF THE PROVINCIAL WATERWORKS AUTHORITY FOLLOW AS WORLD HEALTH ORGANIZATION (WHO) GUIDELINE VALUE, B.E. 2554 (2011).

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

OCTOBER 5, 2020



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United Analyst and Engineering Consultant Co., Ltd.

350 Sridomruek Rd., Sukhumvit Road, Bangkok, Phrakhanong, Bangkok 10260

TEL: 0 2763 2828 FAX: 0 2763 2800

www.uaeconsultant.com E-mail: uae@uaeconsultant.com



TESTING  
No.0063

## ANALYSIS REPORT

**CUSTOMER NAME** : KASEMKIJ COMPANY LIMITED  
**ADDRESS** : 168 MOO 1 ROJANA THANU UTHAI PHUA NAKHON SI AYUTTHAYA 13210  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : KANTARY HOTEL AYUTTHAYA  
**SAMPLE TYPE** : WATER SUPPLY  
**SAMPLING DATE** : OCTOBER 7, 2020  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS PORNPIPOL WAENTHONG

**RECEIVED DATE** : OCTOBER 8, 2020  
**ANALYTICAL DATE** : OCTOBER 8-14, 2020  
**REPORT NO.** : 2020-U69468  
**WORK NO.** : 2020-006480  
**ANALYSIS NO.** : T20AQ263-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			WATER SUPPLY T20AQ263-0003		
TOTAL DISSOLVED SOLIDS <sup>a</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM 2540 C)	184	≤ 600	25
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : WATER SUPPLY STANDARDS, NOTIFICATION OF THE PROVINCIAL WATERWORKS AUTHORITY FOLLOW AS WORLD HEALTH ORGANIZATION (WHO) GUIDELINE VALUE B.E. 2554 (2011).

*Piyapat S.*

(MRS PIYAPAT SUTTAMANTWONG)  
LABORATORY SUPERVISOR

OCTOBER 20, 2020



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## ANALYSIS REPORT

**CUSTOMER NAME** : RANGSIT PROSPER ESTATE COMPANY LIMITED (KANTARY HOTEL AYUTTHAYA)  
**ADDRESS** : 168 MOO 1 ROJANA ROAD THANU UTHAI PHRA NAKHON SI AYUTTHAYA 13000  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : KANTARY HOTEL AYUTTHAYA  
**SAMPLE TYPE** : WATER SUPPLY  
**SAMPLING DATE** : NOVEMBER 4, 2020  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG

**RECEIVED DATE** : NOVEMBER 5, 2020  
**ANALYTICAL DATE** : NOVEMBER 5-10, 2020  
**REPORT NO.** : 2020-U75832  
**WORK NO.** : 2020-007221  
**ANALYSIS NO.** : T20AR915-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			WATER SUPPLY T20AR915-0003		
TOTAL DISSOLVED SOLIDS <sup>a</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM 2540 C)	216	≤ 600	25
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

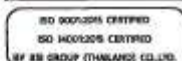
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : WATER SUPPLY STANDARDS, NOTIFICATION OF THE PROVINCIAL WATERWORKS AUTHORITY FOLLOW AS WORLD HEALTH ORGANIZATION (WHO) GUIDELINE VALUE, B.E. 2554 (2011).

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

NOVEMBER 18, 2020



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## ANALYSIS REPORT

**CUSTOMER NAME** : RANGSET PROSPER ESTATE COMPANY LIMITED (KANTARY HOTEL AYUTTHAYA)  
**ADDRESS** : 168 MOO 1 ROJANA ROAD THANU UTHAI PHRA NAKHON SI AYUTTHAYA 13000  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : KANTARY HOTEL AYUTTHAYA  
**SAMPLE TYPE** : WATER SUPPLY  
**SAMPLING DATE** : DECEMBER 10, 2020  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG

**RECEIVED DATE** : DECEMBER 11, 2020  
**ANALYTICAL DATE** : DECEMBER 11-16, 2020  
**REPORT NO.** : 2020-U84689  
**WORK NO.** : 2020-008273  
**ANALYSIS NO.** : T20AU150-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			WATER SUPPLY T20AU150-0003		
TOTAL DISSOLVED SOLIDS <sup>a</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM 2540 C)	213	≤ 600	25
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			-		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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REGULATORY STANDARD : WATER SUPPLY STANDARDS, NOTIFICATION OF THE PROVINCIAL WATERWORKS AUTHORITY FOLLOW AS WORLD HEALTH ORGANIZATION (WHO) GUIDELINE VALUE, B.E. 2554 (2011).

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

DECEMBER 23, 2020

