

## ภาคผนวกที่ 4

ใบรายงานผลการวิเคราะห์จากห้องปฏิบัติการ

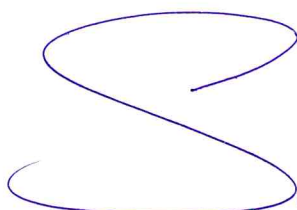
## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบาสซ่า แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนเข้าระบบบำบัดขนาด 332 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670212 E, 1526650 N  
**Sampling Date** : January 25, 2023  
**Sampling Time** : 11:29  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

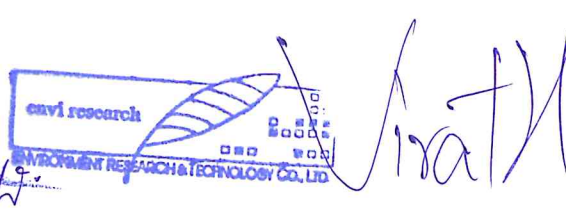
**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AA544-003  
**Received Date** : January 26, 2023  
**Analytical Date** : January 26-February 4, 2023  
**Report No.** : 2023-RAAD089  
**Report Date** : March 9, 2023

Parameter	Unit	Method of Analysis <sup>1/</sup>	Result
pH	-	Electrometric	8.8
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	68
Suspended Solids	mg/L	Dried at 103-105°C	38
Sulfide	mg/L	ZnS Precipitation, Iodometric	1.3
Total Dissolved Solids	mg/L	Dried at 180°C	320
Settleable Solids	mL/L	Volumetric	0.2
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	6.0
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	49
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number Method	>1,600,000

**Remark** : <sup>1/</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer



(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบazaar แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังผ่านระบบบำบัดขนาด 332 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670205 E, 1526650 N  
**Sampling Date** : January 25, 2023  
**Sampling Time** : 11:36  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Yellow, Sediment, Odor

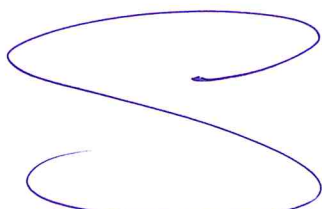
**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AA544-006  
**Received Date** : January 26, 2023  
**Analytical Date** : January 26-February 4, 2023  
**Report No.** : 2023-RAAD094  
**Report Date** : March 9, 2023

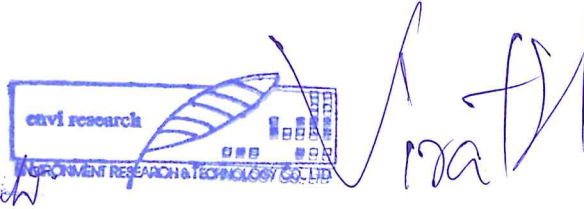
Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	7.8	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	162	20
Suspended Solids	mg/L	Dried at 103-105°C	508	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	3.3	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	300	724*
Settleable Solids	mL/L	Volumetric	23	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	6.0	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	97	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number Method	>1,600,000	-

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in January, 2023 was 224 mg/l)

  
 (Ms.Sudarat Khejonrak)  
 Laboratory Reviewer

  
 (Mr.Virat Hemvannanukul)  
 Laboratory Supervisor

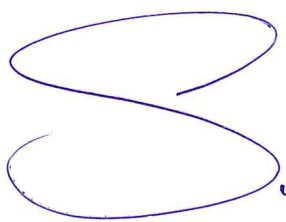
## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนเข้าระบบบำบัดขนาด 332 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670212 E, 1526650 N  
**Sampling Date** : February 27, 2023  
**Sampling Time** : 13:41  
**Sampling Method** : Grab  
**Sampling By** : Mr. Apichat Pulphon  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor


**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AA789-002  
**Received Date** : February 28, 2023  
**Analytical Date** : February 28-March 5, 2023  
**Report No.** : 2023-RAAE219  
**Report Date** : March 27, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	7.5
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	53
Suspended Solids	mg/L	Dried at 103-105°C	32
Sulfide	mg/L	ZnS Precipitation, Iodometric	3.4
Total Dissolved Solids	mg/L	Dried at 180°C	264
Settleable Solids	mL/L	Volumetric	<0.1
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	11
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	25
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

  
 (Ms. Sudarat Khejonrak)  
 Laboratory Reviewer



  
 (Mr. Virat Hemvannanukul)  
 Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังผ่านระบบบำบัดขนาด 332 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670205 E, 1526650 N  
**Sampling Date** : February 27, 2023  
**Sampling Time** : 13:33  
**Sampling Method** : Grab  
**Sampling By** : Mr.Apichat Pulphon  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odorless

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AA789-001  
**Received Date** : February 28, 2023  
**Analytical Date** : February 28-March 5, 2023  
**Report No.** : 2023-RAAE218  
**Report Date** : March 27, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	7.2	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	75	20
Suspended Solids	mg/L	Dried at 103-105°C	47	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	3.0	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	290	690*
Settleable Solids	mL/L	Volumetric	2.0	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	19	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	37	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000	-


**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in March, 2023 was 190 mg/l)

  
 (Ms.Sudarat Khejonrak)  
 Laboratory Reviewer



  
 (Mr.Virat Hemvannanukul)  
 Laboratory Supervisor

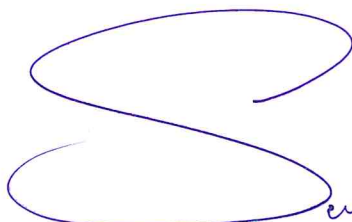
## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบাজার แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนเข้าระบบบำบัดขนาด 332 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670212 E, 1526650 N  
**Sampling Date** : March 27, 2023  
**Sampling Time** : 10:37  
**Sampling Method** : Grab  
**Sampling By** : Mr.Arnon Kuanhanghong  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB041-002  
**Received Date** : March 28, 2023  
**Analytical Date** : March 28-April 5, 2023  
**Report No.** : 2023-RAAF783  
**Report Date** : April 6, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	8.0
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	124
Suspended Solids	mg/L	Dried at 103-105°C	175
Sulfide	mg/L	ZnS Precipitation, Iodometric	3.2
Total Dissolved Solids	mg/L	Dried at 180°C	272
Settleable Solids	mL/L	Volumetric	8.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	31
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	80
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ บางค้อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังผ่านระบบบำบัดขนาด 332 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670205 E, 1526650 N  
**Sampling Date** : March 27, 2023  
**Sampling Time** : 10:31  
**Sampling Method** : Grab  
**Sampling By** : Mr.Arnon Kuanhanghong  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

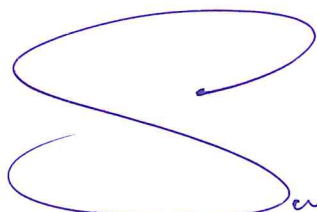
**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB041-001  
**Received Date** : March 28, 2023  
**Analytical Date** : March 28-April 5, 2023  
**Report No.** : 2023-RAAF782  
**Report Date** : April 6, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	7.8	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	62	20
Suspended Solids	mg/L	Dried at 103-105°C	31	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	1.5	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	274	706*
Settleable Solids	mL/L	Volumetric	0.3	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	9.3	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	43	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000	-

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in March, 2023 was 206 mg/l)



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor




## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบาสซ่า แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนผ่านระบบบำบัดขนาด 332 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670212 E, 1526650 N  
**Sampling Date** : April 26, 2023  
**Sampling Time** : 15:52  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB514-001  
**Received Date** : April 27, 2023  
**Analytical Date** : April 27-May 6, 2023  
**Report No.** : 2023-RAAI040  
**Report Date** : May 9, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	7.0
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	32
Suspended Solids	mg/L	Dried at 103-105°C	9.2
Sulfide	mg/L	ZnS Precipitation, Iodometric	1.5
Total Dissolved Solids	mg/L	Dried at 180°C	254
Settleable Solids	mL/L	Volumetric	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	5.4
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	23
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000

Remark : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms. Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr. Virat Hemvannanukul)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังเข้าระบบบำบัดขนาด 332 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670205 E, 1526650 N  
**Sampling Date** : April 26, 2023  
**Sampling Time** : 15:47  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB514-002  
**Received Date** : April 27, 2023  
**Analytical Date** : April 27-May 9, 2023  
**Report No.** : 2023-RAAI043  
**Report Date** : May 9, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	7.0	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	274	20
Suspended Solids	mg/L	Dried at 103-105°C	221	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	1.7	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	252	680*
Settleable Solids	mL/L	Volumetric	8.0	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	82	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	110	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	1,600,000	-

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in April, 2023 was 180 mg/l)



(Ms.Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

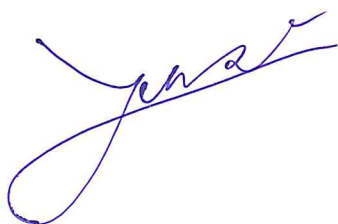
## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบাজার แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนผ่านระบบบำบัดขนาด 332 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670212 E, 1526650 N  
**Sampling Date** : May 22, 2023  
**Sampling Time** : 11:18  
**Sampling Method** : Grab  
**Sampling By** : Mr.Wadcharaphong Phunkhetkit  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB962-001  
**Received Date** : May 23, 2023  
**Analytical Date** : May 23-30, 2023  
**Report No.** : 2023-RAAK020  
**Report Date** : June 1, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	8.0
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	104
Total Suspended Solids	mg/L	Dried at 103-105°C	106
Sulfide	mg/L	ZnS Precipitation, Iodometric	2.7
Total Dissolved Solids	mg/L	Dried at 180°C	328
Settleable Solids	mL/L	Volumetric	2.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	15
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	68
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000

Remark : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms.Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังเข้าระบบบำบัดขนาด 332 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670205 E, 1526650 N  
**Sampling Date** : May 22, 2023  
**Sampling Time** : 11:10  
**Sampling Method** : Grab  
**Sampling By** : Mr.Wadcharaphong Phunkhetkit  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

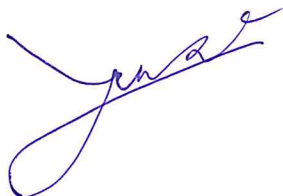
**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB962-002  
**Received Date** : May 23, 2023  
**Analytical Date** : May 23-30, 2023  
**Report No.** : 2023-RAAK021  
**Report Date** : June 1, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	8.0	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	126	20
Total Suspended Solids	mg/L	Dried at 103-105°C	256	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	3.7	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	320	730*
Settleable Solids	mL/L	Volumetric	13	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	37	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	60	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000	-

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in May, 2023 was 230 mg/l)



(Ms.Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบাজার แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนผ่านระบบบำบัดขนาด 332 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670212 E, 1526650 N  
**Sampling Date** : June 15, 2023  
**Sampling Time** : 10:10  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AC415-001  
**Received Date** : June 16, 2023  
**Analytical Date** : June 16-26, 2023  
**Report No.** : 2023-RAAM018  
**Report Date** : June 27, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	7.9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	62
Total Suspended Solids	mg/L	Dried at 103-105°C	42
Sulfide	mg/L	ZnS Precipitation, Iodometric	1.1
Total Dissolved Solids	mg/L	Dried at 180°C	290
Settleable Solids	mL/L	Volumetric	0.6
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	5.7
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	41
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000

Remark : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms. Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr. Virat Hemvannanukul)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังเข้ระบบบำบัดขนาด 332 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670205 E, 1526650 N  
**Sampling Date** : June 15, 2023  
**Sampling Time** : 10:06  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor


**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AC415-002  
**Received Date** : June 16, 2023  
**Analytical Date** : June 16-26, 2023  
**Report No.** : 2023-RAAM019  
**Report Date** : June 27, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	7.9	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	74	20
Total Suspended Solids	mg/L	Dried at 103-105°C	40	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	1.1	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	264	718*
Settleable Solids	mL/L	Volumetric	1.4	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	10	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	42	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000	-

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in June, 2023 was 218 mg/l)



(Ms.Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

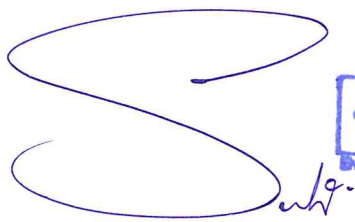
## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบাজার แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนเข้าระบบบำบัดขนาด 116 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670193 E, 1526370 N  
**Sampling Date** : January 25, 2023  
**Sampling Time** : 11:15  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor


**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AA544-002  
**Received Date** : January 26, 2023  
**Analytical Date** : January 26-February 4, 2023  
**Report No.** : 2023-RAAD088  
**Report Date** : March 9, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	7.8
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	184
Suspended Solids	mg/L	Dried at 103-105°C	2,660
Sulfide	mg/L	ZnS Precipitation, Iodometric	4.9
Total Dissolved Solids	mg/L	Dried at 180°C	334
Settleable Solids	mL/L	Volumetric	56
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	580
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	123
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number Method	>1,600,000

**Remark** : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer

(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบাজার แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังผ่านระบบบำบัดขนาด 116 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670192 E, 1526358 N  
**Sampling Date** : January 25, 2023  
**Sampling Time** : 11:18  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Yellow, Sediment, Odor

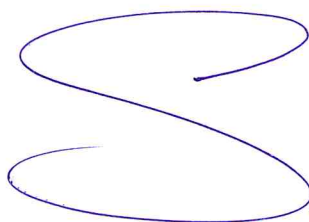
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**Analysis No.** : 2023-AA544-005  
**Received Date** : January 26, 2023  
**Analytical Date** : January 26-February 4, 2023  
**Report No.** : 2023-RAAD092  
**Report Date** : March 9, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	8.2	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	160	20
Suspended Solids	mg/L	Dried at 103-105°C	284	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	3.1	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	308	724*
Settleable Solids	mL/L	Volumetric	11	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	80	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	101	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number Method	>1,600,000	-

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in January, 2023 was 224 mg/l)



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor



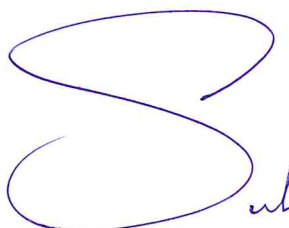
## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบাজার แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนเข้าระบบบำบัดขนาด 116 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670193 E, 1526370 N  
**Sampling Date** : February 27, 2023  
**Sampling Time** : 14:21  
**Sampling Method** : Grab  
**Sampling By** : Mr. Apichat Pulphon  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Yellow, Sediment, Odor


**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AA789-006  
**Received Date** : February 28, 2023  
**Analytical Date** : February 28-March 5, 2023  
**Report No.** : 2023-RAAE223  
**Report Date** : March 27, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	7.3
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	4,374
Total Suspended Solids	mg/L	Dried at 103-105°C	2,200
Sulfide	mg/L	ZnS Precipitation, Iodometric	23
Total Dissolved Solids	mg/L	Dried at 180°C	480
Settleable Solids	mL/L	Volumetric	80
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	928
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	180
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000

Remark : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms. Sudarat Khejonrak)  
Laboratory Reviewer

(Mr. Virat Hemvannanukul)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังผ่านระบบบำบัดขนาด 116 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670193 E, 1526375 N  
**Sampling Date** : February 27, 2023  
**Sampling Time** : 14:14  
**Sampling Method** : Grab  
**Sampling By** : Mr.Apichat Pulphon  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

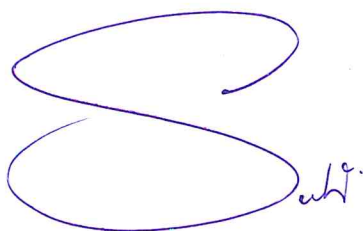
**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AA789-005  
**Received Date** : February 28, 2023  
**Analytical Date** : February 28-March 5, 2023  
**Report No.** : 2023-RAAE222  
**Report Date** : March 27, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	7.8	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	67	20
Total Suspended Solids	mg/L	Dried at 103-105°C	38	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	3.2	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	308	690*
Settleable Solids	mL/L	Volumetric	0.2	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	15	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	35	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000	-

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in March, 2023 was 190 mg/l)



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

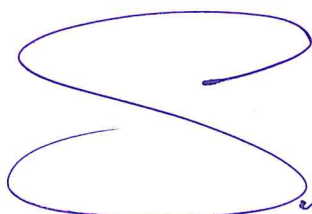
## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบাজার แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนเข้าระบบบำบัดขนาด 116 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670193 E, 1526370 N  
**Sampling Date** : March 27, 2023  
**Sampling Time** : 11:18  
**Sampling Method** : Grab  
**Sampling By** : Mr.Arnon Kuanhanghong  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Yellow, Sediment, Odor

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB041-005  
**Received Date** : March 28, 2023  
**Analytical Date** : March 28-April 5, 2023  
**Report No.** : 2023-RAAF786  
**Report Date** : April 6, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	7.1
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	2,118
Suspended Solids	mg/L	Dried at 103-105°C	4,529
Sulfide	mg/L	ZnS Precipitation, Iodometric	17
Total Dissolved Solids	mg/L	Dried at 180°C	300
Settleable Solids	mL/L	Volumetric	78
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	84
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	207
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000

Remark : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังผ่านระบบบำบัดขนาด 116 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670193 E, 1526359 N  
**Sampling Date** : March 27, 2023  
**Sampling Time** : 11:07  
**Sampling Method** : Grab  
**Sampling By** : Mr.Arnon Kuanhanghong  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

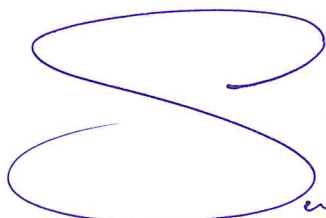
**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB041-006  
**Received Date** : March 28, 2023  
**Analytical Date** : March 28-April 5, 2023  
**Report No.** : 2023-RAAF787  
**Report Date** : April 6, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	8.1	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	190	20
Suspended Solids	mg/L	Dried at 103-105°C	168	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	4.5	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	453	706*
Settleable Solids	mL/L	Volumetric	6.0	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	32	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	144	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000	-

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in March, 2023 was 206 mg/l)

  
 (Ms.Sudarat Khejonrak)  
 Laboratory Reviewer



  
 (Mr.Virat Hemvannanukul)  
 Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบাজার แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนเข้าระบบบำบัดขนาด 116 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670193 E, 1526370 N  
**Sampling Date** : April 26, 2023  
**Sampling Time** : 15:36  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB514-006  
**Received Date** : April 27, 2023  
**Analytical Date** : April 27-May 6, 2023  
**Report No.** : 2023-RAAI047  
**Report Date** : May 9, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	7.0
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	250
Suspended Solids	mg/L	Dried at 103-105°C	1,020
Sulfide	mg/L	ZnS Precipitation, Iodometric	2.2
Total Dissolved Solids	mg/L	Dried at 180°C	840
Settleable Solids	mL/L	Volumetric	32
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	116
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	92
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms. Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr. Virat Hemvannanukul)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังผ่านระบบบำบัดขนาด 116 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670193 E, 1526359 N  
**Sampling Date** : April 26, 2023  
**Sampling Time** : 15:30  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Yellow, Sediment, Odor


**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB514-005  
**Received Date** : April 27, 2023  
**Analytical Date** : April 27-May 6, 2023  
**Report No.** : 2023-RAAI046  
**Report Date** : May 9, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	6.7	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	149	20
Suspended Solids	mg/L	Dried at 103-105°C	380	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	6.4	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	264	680*
Settleable Solids	mL/L	Volumetric	20	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	78	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	79	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000	-

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in April, 2023 was 180 mg/l)



(Ms.Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบาสซ่า แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนเข้าระบบบำบัดขนาด 116 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670193 E, 1526370 N  
**Sampling Date** : May 22, 2023  
**Sampling Time** : 10:40  
**Sampling Method** : Grab  
**Sampling By** : Mr.Wadcharaphong Phunkhetkit  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB962-006  
**Received Date** : May 23, 2023  
**Analytical Date** : May 23-30, 2023  
**Report No.** : 2023-RAAK025  
**Report Date** : June 1, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	7.4
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	504
Total Suspended Solids	mg/L	Dried at 103-105°C	6,400
Sulfide	mg/L	ZnS Precipitation, Iodometric	7.7
Total Dissolved Solids	mg/L	Dried at 180°C	470
Settleable Solids	mL/L	Volumetric	120
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	230
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	156
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms. Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr. Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังผ่านระบบบำบัดขนาด 116 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670193 E, 1526359 N  
**Sampling Date** : May 22, 2023  
**Sampling Time** : 10:54  
**Sampling Method** : Grab  
**Sampling By** : Mr.Wadcharaphong Phunkhetkit  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

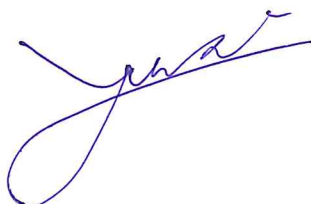
**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB962-005  
**Received Date** : May 23, 2023  
**Analytical Date** : May 23-30, 2023  
**Report No.** : 2023-RAAK024  
**Report Date** : June 1, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	7.9	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	133	20
Total Suspended Solids	mg/L	Dried at 103-105°C	146	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	3.8	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	302	730*
Settleable Solids	mL/L	Volumetric	4.5	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	21	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	79	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000	-

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in May, 2023 was 230 mg/l)



(Ms.Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบาสซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนเข้าระบบบำบัดขนาด 116 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670193 E, 1526370 N  
**Sampling Date** : June 15, 2023  
**Sampling Time** : 09:53  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AC415-006  
**Received Date** : June 16, 2023  
**Analytical Date** : June 16-27, 2023  
**Report No.** : 2023-RAAM023  
**Report Date** : June 27, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	7.6
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	51
Total Suspended Solids	mg/L	Dried at 103-105°C	63
Sulfide	mg/L	ZnS Precipitation, Iodometric	1.1
Total Dissolved Solids	mg/L	Dried at 180°C	254
Settleable Solids	mL/L	Volumetric	2.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	12
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	25
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	350,000

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms.Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังผ่านระบบบำบัดขนาด 116 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670193 E, 1526359 N  
**Sampling Date** : June 15, 2023  
**Sampling Time** : 09:57  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor


**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AC415-005  
**Received Date** : June 16, 2023  
**Analytical Date** : June 16-27, 2023  
**Report No.** : 2023-RAAM022  
**Report Date** : June 27, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	7.3	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	33	20
Total Suspended Solids	mg/L	Dried at 103-105°C	32	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	2.7	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	254	718*
Settleable Solids	mL/L	Volumetric	0.7	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	7.2	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	23	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000	-

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in June, 2023 was 218 mg/l)



(Ms. Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr. Virat Hemvannanukul)  
Laboratory Supervisor

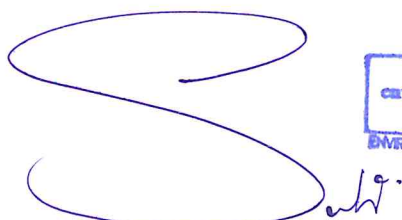
## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบาสซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนเข้าระบบบำบัดขนาด 52 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670139 E, 1526361 N  
**Sampling Date** : January 25, 2023  
**Sampling Time** : 11:57  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor


**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AA544-001  
**Received Date** : January 26, 2023  
**Analytical Date** : January 26-February 4, 2023  
**Report No.** : 2023-RAAD087  
**Report Date** : March 9, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	6.9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	119
Suspended Solids	mg/L	Dried at 103-105°C	386
Sulfide	mg/L	ZnS Precipitation, Iodometric	9.8
Total Dissolved Solids	mg/L	Dried at 180°C	320
Settleable Solids	mL/L	Volumetric	11
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	64
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	92
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number Method	540,000

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer

(Mr.Virat Hemvannanukul)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบাজার แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังผ่านระบบบำบัดขนาด 52 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670135 E, 1526361 N  
**Sampling Date** : January 25, 2023  
**Sampling Time** : 11:51  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

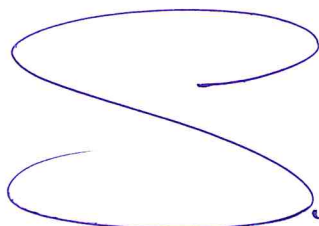
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**Analysis No.** : 2023-AA544-004  
**Received Date** : January 26, 2023  
**Analytical Date** : January 25-February 4, 2023  
**Report No.** : 2023-RAAD090  
**Report Date** : March 9, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	7.0	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	37	20
Suspended Solids	mg/L	Dried at 103-105°C	8.2	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	8.4	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	312	724*
Settleable Solids	mL/L	Volumetric	<0.1	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	5.8	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	38	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number Method	>1,600,000	-

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in January, 2023 was 224 mg/l)



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

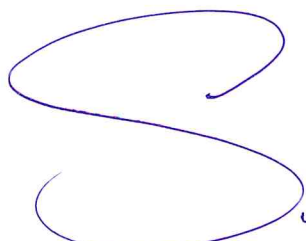
## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบาสซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนเข้าระบบบำบัดขนาด 52 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670139 E, 1526361 N  
**Sampling Date** : February 27, 2023  
**Sampling Time** : 13:57  
**Sampling Method** : Grab  
**Sampling By** : Mr. Apichat Pulphon  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odorless


**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AA789-003  
**Received Date** : February 28, 2023  
**Analytical Date** : February 28-March 5, 2023  
**Report No.** : 2023-RAAE220  
**Report Date** : March 27, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	7.5
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	71
Suspended Solids	mg/L	Dried at 103-105°C	60
Sulfide	mg/L	ZnS Precipitation, Iodometric	0.8
Total Dissolved Solids	mg/L	Dried at 180°C	310
Settleable Solids	mL/L	Volumetric	3.0
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	<1.0
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000

**Remark** : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

  
 (Ms. Sudarat Khejonrak)  
 Laboratory Reviewer



  
 (Mr. Virat Hemvannanukul)  
 Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังผ่านระบบบำบัดขนาด 52 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670135 E, 1526361 N  
**Sampling Date** : February 27, 2023  
**Sampling Time** : 14:02  
**Sampling Method** : Grab  
**Sampling By** : Mr.Apichat Pulphon  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odorless

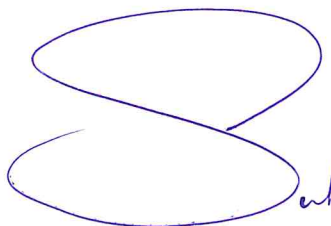
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**Analysis No.** : 2023-AA789-004  
**Received Date** : February 28, 2023  
**Analytical Date** : February 28-March 5, 2023  
**Report No.** : 2023-RAAE221  
**Report Date** : March 27, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	7.5	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	63	20
Suspended Solids	mg/L	Dried at 103-105°C	27	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	1.0	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	320	690*
Settleable Solids	mL/L	Volumetric	<0.1	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	7.6	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	43	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000	-

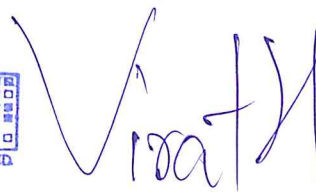
**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in March, 2023 was 190 mg/l)



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer

(Mr.Virat Hemvannanukul)  
Laboratory Supervisor



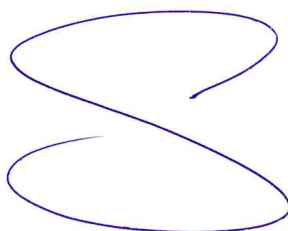
## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบাজার แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนเข้าระบบบำบัดขนาด 52 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670139 E, 1526361 N  
**Sampling Date** : March 27, 2023  
**Sampling Time** : 10:51  
**Sampling Method** : Grab  
**Sampling By** : Mr.Arnon Kuanhanghong  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB041-003  
**Received Date** : March 28, 2023  
**Analytical Date** : March 28-April 5, 2023  
**Report No.** : 2023-RAAF784  
**Report Date** : April 6, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	6.9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	169
Suspended Solids	mg/L	Dried at 103-105°C	257
Sulfide	mg/L	ZnS Precipitation, Iodometric	8.8
Total Dissolved Solids	mg/L	Dried at 180°C	308
Settleable Solids	mL/L	Volumetric	13
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	32
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	77
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังผ่านระบบบำบัดขนาด 52 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670132 E, 1526364 N  
**Sampling Date** : March 27, 2023  
**Sampling Time** : 10:57  
**Sampling Method** : Grab  
**Sampling By** : Mr.Arnon Kuanhanghong  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

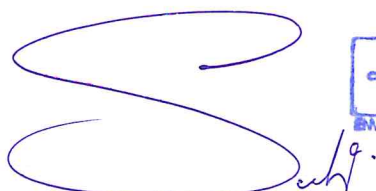
**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB041-004  
**Received Date** : March 28, 2023  
**Analytical Date** : March 28-April 5, 2023  
**Report No.** : 2023-RAAF785  
**Report Date** : April 6, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	7.1	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	69	20
Suspended Solids	mg/L	Dried at 103-105°C	32	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	10	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	292	706*
Settleable Solids	mL/L	Volumetric	0.1	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	27	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	40	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000	-


**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in March, 2023 was 206 mg/l)

  
 (Ms.Sudarat Khejonrak)  
 Laboratory Reviewer



  
 (Mr.Virat Hemvannanukul)  
 Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบาสซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนเข้าระบบบำบัดขนาด 52 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670139 E, 1526361 N  
**Sampling Date** : April 26, 2023  
**Sampling Time** : 16:04  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB514-003  
**Received Date** : April 27, 2023  
**Analytical Date** : April 27-May 6, 2023  
**Report No.** : 2023-RAAI044  
**Report Date** : May 9, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	6.9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	216
Suspended Solids	mg/L	Dried at 103-105°C	520
Sulfide	mg/L	ZnS Precipitation, Iodometric	13
Total Dissolved Solids	mg/L	Dried at 180°C	286
Settleable Solids	mL/L	Volumetric	13
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	41
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	103
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000

**Remark** : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms. Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr. Virat Hemvannanukul)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบাজার แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังผ่านระบบบำบัดขนาด 52 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670132 E, 1526361 N  
**Sampling Date** : April 26, 2023  
**Sampling Time** : 16:10  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB514-004  
**Received Date** : April 27, 2023  
**Analytical Date** : April 27-May 6, 2023  
**Report No.** : 2023-RAAI045  
**Report Date** : May 9, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	7.0	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	93	20
Suspended Solids	mg/L	Dried at 103-105°C	26	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	10	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	272	680*
Settleable Solids	mL/L	Volumetric	0.4	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	12	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	47	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000	-

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in April, 2023 was 180 mg/l)



(Ms.Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบาสซ่า แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนเข้าระบบบำบัดขนาด 52 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670139 E, 1526361 N  
**Sampling Date** : May 22, 2023  
**Sampling Time** : 11:31  
**Sampling Method** : Grab  
**Sampling By** : Mr.Wadcharaphong Phunkhetkit  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB962-003  
**Received Date** : May 23, 2023  
**Analytical Date** : May 23-30, 2023  
**Report No.** : 2023-RAAK022  
**Report Date** : June 1, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	6.9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	126
Total Suspended Solids	mg/L	Dried at 103-105°C	171
Sulfide	mg/L	ZnS Precipitation, Iodometric	12
Total Dissolved Solids	mg/L	Dried at 180°C	332
Settleable Solids	mL/L	Volumetric	<0.1
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	42
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	55
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000

Remark : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms. Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr. Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบาสซ่า แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังผ่านระบบบำบัดขนาด 52 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670135 E, 1526363 N  
**Sampling Date** : May 22, 2023  
**Sampling Time** : 11:37  
**Sampling Method** : Grab  
**Sampling By** : Mr.Wadcharaphong Phunkhetkit  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB962-004  
**Received Date** : May 23, 2023  
**Analytical Date** : May 23-30, 2023  
**Report No.** : 2023-RAAK023  
**Report Date** : June 1, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	7.0	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	84	20
Total Suspended Solids	mg/L	Dried at 103-105°C	19	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	12	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	332	730*
Settleable Solids	mL/L	Volumetric	<0.1	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	6.0	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	39	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	1,600,000	-

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in May, 2023 was 230 mg/l)



(Ms.Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำเสียก่อนเข้าระบบบำบัดขนาด 52 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670139 E, 1526361 N  
**Sampling Date** : June 15, 2023  
**Sampling Time** : 10:18  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AC415-003  
**Received Date** : June 16, 2023  
**Analytical Date** : June 16-26, 2023  
**Report No.** : 2023-RAAM020  
**Report Date** : June 27, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
pH	-	Electrometric	7.4
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	59
Total Suspended Solids	mg/L	Dried at 103-105°C	23
Sulfide	mg/L	ZnS Precipitation, Iodometric	9.8
Total Dissolved Solids	mg/L	Dried at 180°C	278
Settleable Solids	mL/L	Volumetric	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	11
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	43
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000

Remark : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms. Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr. Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Wastewater Sampling  
**Sampling Point** : น้ำทิ้งหลังผ่านระบบบำบัดขนาด 52 ลบ.ม.  
**GPS. Coordinate** : UTM (WGS84) 47P 0670135 E, 1526361 N  
**Sampling Date** : June 15, 2023  
**Sampling Time** : 10:22  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Turbid, Light Yellow, Sediment, Odor


**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AC415-004  
**Received Date** : June 16, 2023  
**Analytical Date** : June 16-26, 2023  
**Report No.** : 2023-RAAM021  
**Report Date** : June 27, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
pH	-	Electrometric	7.4	5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	52	20
Total Suspended Solids	mg/L	Dried at 103-105°C	15	30
Sulfide	mg/L	ZnS Precipitation, Iodometric	11	1.0
Total Dissolved Solids	mg/L	Dried at 180°C	264	718*
Settleable Solids	mL/L	Volumetric	<0.1	0.5
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	6.2	20
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	42	35
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	920,000	-

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Notification of the Ministry of Natural Resources and Environment B.E.2548 (2005), published in the Royal Government Gazette No.122 Part 125D dated December 29, B.E.2548 (2005), Maximum permitted value for building Type A.

\* These values are in addition to the Total Dissolved Solids of water used. (The TDS value in the water used in June, 2023 was 218 mg/l)



(Ms.Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

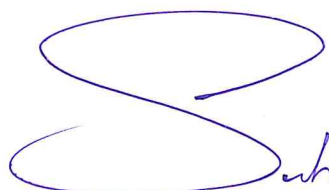
## ANALYSIS REPORT

<b>Customer Name</b>	: Suanlumnighbazaa Ratchadaphisek Co., Ltd.	<b>Quotation No.</b>	: 2023-00187
<b>Address</b>	: 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900	<b>Analysis No.</b>	: 2023-AA544-008
<b>Project Name</b>	: โครงการโรงแรมเดอะบาสซาร์ แบงค็อก	<b>Received Date</b>	: January 26, 2023
<b>Project Location</b>	: ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร	<b>Analytical Date</b>	: January 26-30, 2023
<b>Sampling Source</b>	: Pool Water Sampling	<b>Report No.</b>	: 2023-RAAD097
<b>Sampling Point</b>	: สระว่ายน้ำบริเวณน้ำลึก	<b>Report Date</b>	: March 9, 2023
<b>GPS. Coordinate</b>	: UTM (WGS84) 47P 0670203 E, 1526676 N		
<b>Sampling Date</b>	: January 25, 2023		
<b>Sampling Time</b>	: 12:17		
<b>Sampling Method</b>	: Grab		
<b>Sampling By</b>	: Mr.Chanthawit Leawkool		
<b>Analyzed By</b>	: Environment Research & Technology Co., Ltd.		
<b>Physical Properties</b>	: Clear, Colorless, No Sediment, Odorless		

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
Total Coliform Bacteria	MPN/100 mL	Most Probable Number Method	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number Method	<1.8	None

Remark : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor



## ANALYSIS REPORT

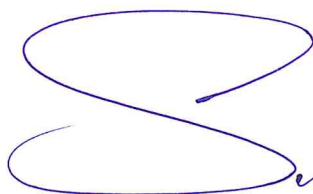
**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Pool Water Sampling  
**Sampling Point** : สระว่ายน้ำบริเวณน้ำต้น  
**GPS. Coordinate** : UTM (WGS84) 47P 0670207 E, 1526671 N  
**Sampling Date** : January 25, 2023  
**Sampling Time** : 12:16  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Clear, Colorless, No Sediment, Odorless

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AA544-009  
**Received Date** : January 26, 2023  
**Analytical Date** : January 26-30, 2023  
**Report No.** : 2023-RAAD098  
**Report Date** : March 9, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
Total Coliform Bacteria	MPN/100 mL	Most Probable Number Method	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number Method	<1.8	None

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.

**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900

**Project Name** : โครงการโรงแรมเดอะบাজার แบงค็อก

**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร

**Sampling Source** : Pool Water Sampling

**Sampling Point** : สระว่ายน้ำบริเวณน้ำลึก

**GPS. Coordinate** : UTM (WGS84) 47P 0670203 E, 1526667 N

**Sampling Date** : February 27, 2023

**Sampling Time** : 14:49

**Sampling Method** : Grab

**Sampling By** : Mr.Apichat Pulphon

**Analyzed By** : Environment Research & Technology Co., Ltd.

**Physical Properties** : Clear, Colorless, No Sediment, Odorless

**Quotation No.** : 2023-00187

**Analysis No.** : 2023-AA789-008

**Received Date** : February 28, 2023

**Analytical Date** : February 28-March 5, 2023

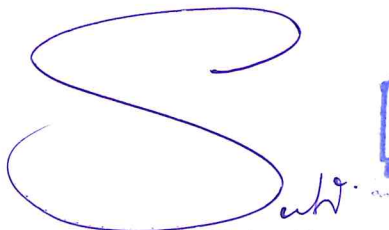
**Report No.** : 2023-RAAE225

**Report Date** : March 27, 2023


Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
Total Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	None

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer

(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

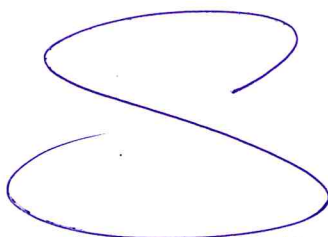
**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบาสซ่า แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Pool Water Sampling  
**Sampling Point** : สระว่ายน้ำบริเวณน้ำต้น  
**GPS. Coordinate** : UTM (WGS84) 47P 0670207 E, 1526661 N  
**Sampling Date** : February 27, 2023  
**Sampling Time** : 14:47  
**Sampling Method** : Grab  
**Sampling By** : Mr.Apichat Pulphon  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Clear, Colorless, No Sediment, Odorless

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AA789-009  
**Received Date** : February 28, 2023  
**Analytical Date** : February 28-March 5, 2023  
**Report No.** : 2023-RAAE226  
**Report Date** : March 27, 2023


Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
Total Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	None

Remark : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.

  
 (Ms.Sudarat Khejonrak)  
 Laboratory Reviewer



  
 (Mr.Virat Hemvannanukul)  
 Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.

**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900

**Project Name** : โครงการโรงแรมเดอะบazaar แบงค็อก

**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร

**Sampling Source** : Pool Water Sampling

**Sampling Point** : สระว่ายน้ำบริเวณน้ำต้น

**GPS. Coordinate** : UTM (WGS84) 47P 0670207 E, 1526661 N

**Sampling Date** : March 27, 2023

**Sampling Time** : 11:44

**Sampling Method** : Grab

**Sampling By** : Mr.Arnon Kuanhanghong

**Analyzed By** : Environment Research & Technology Co., Ltd.

**Physical Properties** : Clear, Colorless, No Sediment, Odorless

**Quotation No.** : 2023-00187

**Analysis No.** : 2023-AB041-009

**Received Date** : March 28, 2023

**Analytical Date** : March 28-31, 2023

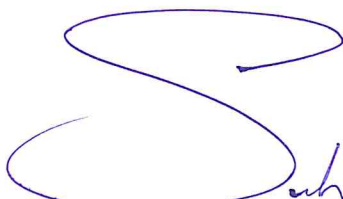
**Report No.** : 2023-RAAF790

**Report Date** : April 6, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
Total Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	None

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

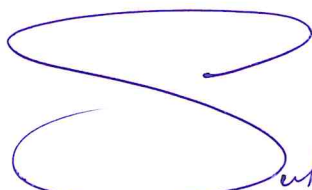
**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะมาซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Pool Water Sampling  
**Sampling Point** : สระว่ายน้ำบริเวณน้ำลึก  
**GPS. Coordinate** : UTM (WGS84) 47P 0670203 E, 1526667 N  
**Sampling Date** : March 27, 2023  
**Sampling Time** : 11:42  
**Sampling Method** : Grab  
**Sampling By** : Mr.Arnon Kuanhanghong  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Clear, Colorless, No Sediment, Odorless

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB041-008  
**Received Date** : March 28, 2023  
**Analytical Date** : March 28-31, 2023  
**Report No.** : 2023-RAAF789  
**Report Date** : April 6, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result	Standard <sup>2'</sup>
Total Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	None

Remark : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.

<sup>2'</sup> Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer



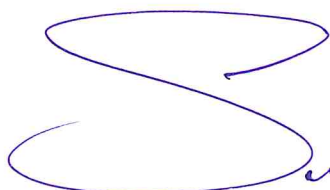

(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

<b>Customer Name</b>	: Suanlumnightbazaa Ratchadaphisek Co., Ltd.	<b>Quotation No.</b>	: 2023-00187
<b>Address</b>	: 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900	<b>Analysis No.</b>	: 2023-AA544-007
<b>Project Name</b>	: โครงการโรงแรมเดอะบাজার แบงค็อก	<b>Received Date</b>	: January 26, 2023
<b>Project Location</b>	: ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร	<b>Analytical Date</b>	: January 26-30, 2023
<b>Sampling Source</b>	: Water Supply Sampling	<b>Report No.</b>	: 2023-RAAD096
<b>Sampling Point</b>	: คุณภาพน้ำในบริเวณพื้นที่โครงการ	<b>Report Date</b>	: March 9, 2023
<b>GPS. Coordinate</b>	: -		
<b>Sampling Date</b>	: January 25, 2023		
<b>Sampling Time</b>	: 12:19		
<b>Sampling Method</b>	: Grab		
<b>Sampling By</b>	: Mr.Chanthawit Leawkool		
<b>Analyzed By</b>	: Environment Research & Technology Co., Ltd.		
<b>Physical Properties</b>	: Clear, Colorless, No Sediment, Odorless		

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
Total Dissolved Solids	mg/L	Dried at 180°C	224

Remark : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer




(Mr.Virat Hemvannanukul)  
Laboratory Supervisor



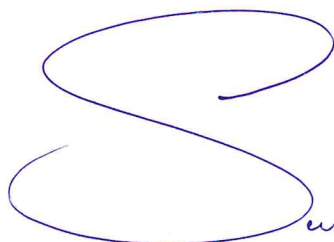
## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบাজার แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Water Supply Sampling  
**Sampling Point** : คุณภาพน้ำใช้บริเวณพื้นที่โครงการ  
**GPS. Coordinate** : -  
**Sampling Date** : February 27, 2023  
**Sampling Time** : 14:51  
**Sampling Method** : Grab  
**Sampling By** : Mr.Apichat Pulphon  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Clear, Colorless, No Sediment, Odorless


**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AA789-007  
**Received Date** : February 28, 2023  
**Analytical Date** : February 28-March 5, 2023  
**Report No.** : 2023-RAAE224  
**Report Date** : March 27, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
Total Dissolved Solids	mg/L	Dried at 180°C	190

**Remark :** <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer

(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

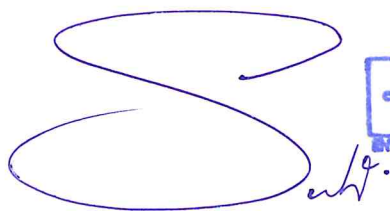
## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบাজার แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Water Supply Sampling  
**Sampling Point** : คุณภาพน้ำใช้บริเวณพื้นที่โครงการ  
**GPS. Coordinate** : -  
**Sampling Date** : March 27, 2023  
**Sampling Time** : 11:45  
**Sampling Method** : Grab  
**Sampling By** : Mr.Arnon Kuanhanghong  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Clear, Colorless, No Sediment, Odorless


**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB041-007  
**Received Date** : March 28, 2023  
**Analytical Date** : March 28-April 3, 2023  
**Report No.** : 2023-RAAF788  
**Report Date** : April 6, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
Total Dissolved Solids	mg/L	Dried at 180°C	206

Remark : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms.Sudarat Khejonrak)  
Laboratory Reviewer

(Mr.Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบাজার แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Water Supply Sampling  
**Sampling Point** : คุณภาพน้ำใช้บริเวณพื้นที่โครงการ  
**GPS. Coordinate** : -  
**Sampling Date** : April 26, 2023  
**Sampling Time** : 16:17  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Clear, Colorless, No Sediment, Odorless

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB514-007  
**Received Date** : April 27, 2023  
**Analytical Date** : April 27-May 6, 2023  
**Report No.** : 2023-RAAI048  
**Report Date** : May 9, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
Total Dissolved Solids	mg/L	Dried at 180°C	180

Remark : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms. Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr. Virat Hemvannanukul)  
Laboratory Supervisor




## ANALYSIS REPORT

**Customer Name** : Suanlumnightbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบาสซ่า แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Water Supply Sampling  
**Sampling Point** : คุณภาพน้ำใช้บริเวณพื้นที่โครงการ  
**GPS. Coordinate** : -  
**Sampling Date** : May 22, 2023  
**Sampling Time** : 11:57  
**Sampling Method** : Grab  
**Sampling By** : Mr.Wadcharaphong Phunkhetkit  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Clear, Colorless, No Sediment, Odorless

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AB962-007  
**Received Date** : May 23, 2023  
**Analytical Date** : May 23-29, 2023  
**Report No.** : 2023-RAAK026  
**Report Date** : June 1, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
Total Dissolved Solids	mg/L	Dried at 180°C	230

Remark : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms. Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr. Virat Hemvannanukul)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Suanlumnighbazaa Ratchadaphisek Co., Ltd.  
**Address** : 5 Ratchadaphisek Road, Chom Phon, Chatuchak, Bangkok 10900  
**Project Name** : โครงการโรงแรมเดอะบาสซาร์ แบงค็อก  
**Project Location** : ถนนรัชดาภิเษก แขวงจอมพล เขตจตุจักร กรุงเทพมหานคร  
**Sampling Source** : Water Supply Sampling  
**Sampling Point** : คุณภาพน้ำใช้บริเวณพื้นที่โครงการ  
**GPS. Coordinate** : -  
**Sampling Date** : June 15, 2023  
**Sampling Time** : 10:26  
**Sampling Method** : Grab  
**Sampling By** : Mr.Chanthawit Leawkool  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Physical Properties** : Clear, Colorless, No Sediment, Odorless

**Quotation No.** : 2023-00187  
**Analysis No.** : 2023-AC415-007  
**Received Date** : June 16, 2023  
**Analytical Date** : June 16-22, 2023  
**Report No.** : 2023-RAAM024  
**Report Date** : June 27, 2023

Parameter	Unit	Method of Analysis <sup>1'</sup>	Result
Total Dissolved Solids	mg/L	Dried at 180°C	218

Remark : <sup>1'</sup> Standard Method for Examination of Water and Wastewater, 23<sup>rd</sup> Edition, 2017.



(Ms. Yuwadee Na Ranong)  
Laboratory Reviewer




(Mr. Virat Hemvannanukul)  
Laboratory Supervisor