



บริษัท วนาดอล จำกัด  
WANADOL CO., LTD.

2/25 ถนนวัดเวฬุวนาราม แขวงดอนเมือง เขตดอนเมือง กรุงเทพฯ 10210 โทร.02-565-4406 แฟกซ์.02-000-2060  
Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 1981/ 2023

August 4, 2023

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

July 25, 2023 / 09 : 10 am. – 09 : 15 am.

Testing Date

July 25 – 31, 2023.

Sampling By

Wanadol 's Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 3.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.10	7.40	5.5 - 9.0
2. BOD At 20 °C	-	102	16.0	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	41.0	25.5	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	510	394	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	80.0	20.0	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	98.0	14.0	1.95	≤ 20 mg./ L.
7. Settleable Solids	-	0.6	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	1.50	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	5.8*10 <sup>4</sup>	4.0*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	6.4*10 <sup>3</sup>	4.4*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Turbid brown	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C

WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

\*TDS that minus from TDS of Supply Water / เป็นค่า TDS หักลบจากค่า TDS ของน้ำประปาอาคารแล้ว

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

N. Sookchai

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191



บริษัท วนาดอล จำกัด  
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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 2157/ 2023

August 30, 2023

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

August 23, 2023 / 13 : 10 pm. – 13 : 20 pm.

Testing Date

August 23 – 28, 2023.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 2.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.20	7.30	5.5 - 9.0
2. BOD At 20 °C	-	85.7	14.4	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	40.0	21.9	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	526	360	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	77.0	16.6	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	50.5	8.20	1.65	≤ 20 mg./ L.
7. Settleable Solids	-	0.6	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	1.05	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	4.7*10 <sup>4</sup>	3.5*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	5.0*10 <sup>3</sup>	5.2*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Turbid brown	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

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WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

\*TDS that minus from TDS of Supply Water / เป็นค่า TDS หักลบจากค่า TDS ของน้ำประปาอาคารแล้ว

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N Sooksai*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191



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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 2463/ 2023

October 5, 2023

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

September 25, 2023 / 10 : 30 am. – 10 : 40 am.

Testing Date

September 26 – October 2, 2023.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 3.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.10	7.40	5.5 - 9.0
2. BOD At 20 °C	-	80.4	13.9	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	45.5	20.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	544	356	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	70.5	10.0	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	48.0	6.20	0.95	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	1.00	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	4.2*10 <sup>4</sup>	3.3*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	3.8*10 <sup>3</sup>	5.0*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather turbid	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C

WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N Sookchai*

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191





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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 2703/ 2023

October 31, 2023

Customer Name **VIC3 Bangkok**  
89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name Grease Trap , EQ-Tank And Effluent

Sampling Date / Time October 18, 2023 / 10 : 10 am. – 10 : 20 am.

Testing Date October 19 – 25, 2023.

Sampling By Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By Environment And Laboratory Co. , Ltd. Registration No. 3.029

Sampling Method Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH at 25 °C	-	7.20	7.30	5.5 - 9.0
2. BOD at 20 °C	-	51.5	11.6	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	33.8	12.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	520	380	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	54.0	8.60	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	72.0	2.10	0.55	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	0.80	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	3.1*10 <sup>4</sup>	3.5*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	2.7*10 <sup>3</sup>	4.2*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather clear	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

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WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191





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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 2843/ 2023

November 16, 2023

Customer Name **VIC3 Bangkok**  
89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name Grease Trap , EQ-Tank And Effluent

Sampling Date / Time November 3, 2023 / 13 : 00 pm. – 13 : 10 pm.

Testing Date November 3 – 10, 2023.

Sampling By Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By Environment And Laboratory Co., Ltd. Registration No. ๖.029

Sampling Method Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH at 25 °C	-	7.10	7.40	5.5 - 9.0
2. BOD at 20 °C	-	50.8	8.50	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	35.5	10.2	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	533	364	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	46.0	9.00	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	115	1.80	0.65	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	1.0	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	3.3*10 <sup>4</sup>	3.7*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	2.5*10 <sup>3</sup>	4.0*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather clear	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

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WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191



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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 3169/ 2023

December 20, 2023

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

December 8, 2023 / 16 : 30 pm. – 16 : 40 pm.

Testing Date

December 9 – 15, 2023.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 3.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH at 25 °C	-	7.10	7.30	5.5 - 9.0
2. BOD at 20 °C	-	62.5	6.50	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	37.0	12.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	510	350	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	68.0	9.00	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	125	2.50	0.65	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	1.0	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	3.6*10 <sup>4</sup>	3.7*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	3.0*10 <sup>3</sup>	4.0*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather clear	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated December 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

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WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191



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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 0079/ 2023

January 16, 2023

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

January 5, 2023 / 15 : 10 pm. – 15 : 20 pm.

Testing Date

January 6 – 12, 2023.

Sampling By

Wanadol 's Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. ๖.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.10	7.30	5.5 - 9.0
2. BOD At 20 °C	-	134	28.0	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	110	48.6	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	572	445	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	110	24.0	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	225	20.0	2.90	≤ 20 mg./ L.
7. Settleable Solids	-	1.8	0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	1.70	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	5.5*10 <sup>4</sup>	4.5*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	7.0*10 <sup>3</sup>	6.3*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Turbid liquid	Rather turbid	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

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WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" *Not* Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191





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## ANALYSIS REPORT

R. 0362/ 2023

February 20, 2023

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

February 9, 2023 / 15 : 10 pm. – 15 : 25 pm.

Testing Date

February 10 – 17, 2023.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 2.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.04	7.15	5.5 - 9.0
2. BOD At 20 °C	-	166	33.6	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	91.0	60.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	612	512	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	150	30.0	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	360	36.6	4.20	≤ 20 mg./ L.
7. Settleable Solids	-	10	0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	2.60	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	7.5*10 <sup>4</sup>	6.6*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	8.4*10 <sup>3</sup>	5.8*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Turbid liquid	Rather turbid	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

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WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Not Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191



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WANADOL CO., LTD.

2/25 ถนนวัดเวฬุวนาราม แขวงคลองเมือง เขตคลองเมือง กรุงเทพฯ 10210 โทร.02-565-4406 แฟกซ์.02-000-2060  
Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 0740/ 2023

April 3, 2023

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

March 23, 2023 / 11 : 30 am. – 11 : 40 am.

Testing Date

March 24 – 30, 2023.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. ๖.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.10	7.20	5.5 - 9.0
2. BOD At 20 °C	-	125	36.6	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	106	70.5	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	593	510	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	110	33.5	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	210	26.0	3.90	≤ 20 mg./ L.
7. Settleable Solids	-	10	0.7	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	2.10	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	7.2*10 <sup>4</sup>	5.6*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	9.1*10 <sup>3</sup>	7.0*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Turbid liquid	Rather turbid	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Not Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191



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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 1115/ 2023

May 10, 2023

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

April 27, 2023 / 12 : 00 am. – 12 : 10 pm.

Testing Date

April 28 – May 3, 2023.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. ๖.029

Sampling Method

Grab

Characteristics	Unit	Method Of Analysis	Results	Effluent Standards*
1. pH At 25 °C	-	WTM03	6.80	5.5 - 9.0
2. BOD At 20 °C	mg./ L.	WTM43	18.0	≤ 30
3. Suspended Solids (SS)	mg./ L.	WTM01	10.5	≤ 40
4. Total Dissolved Solids (TDS)	mg./ L.	Dried at 103-105 °C	380	≤ 500
5. Total Nitrogen (TKN)	mg./ L.	Macro-Kjeldahl	12.8	≤ 35
6. Grease, Oil & Fat	mg./ L.	Partition & Gravimetric	3.60	≤ 20
7. Settleable Solids	ml./ L.	Volumetric	< 0.5	≤ 0.5
8. Sulfide (H <sub>2</sub> S)	mg./ L.	Iodometric	<1.0	≤ 1.0
Sample Condition			Yellow clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191





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## ANALYSIS REPORT

R. 1239/ 2023

May 29, 2023

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

May 19, 2023 / 12 : 30 am. – 12 : 40 pm.

Testing Date

May 19 – 25, 2023.

Sampling By

Wanadol 's Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 3.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.11	7.90	5.5 - 9.0
2. BOD At 20 °C	-	326	6.90	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	280	20.5	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	756	63	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	220	5.00	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	120	20.0	3.20	≤ 20 mg./ L.
7. Settleable Solids	-	20	< 0.1	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	2.02	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	8.1*10 <sup>4</sup>	3.3*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	8.5*10 <sup>3</sup>	4.2*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Turbid brown	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C

WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191



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## ANALYSIS REPORT

R. 1645/ 2023

June 30, 2023

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

June 19, 2023 / 11 : 10 am. – 11 : 20 am.

Testing Date

June 19 – 26, 2023.

Sampling By

Wanadol 's Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 3.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	6.95	6.90	5.5 - 9.0
2. BOD At 20 °C	-	177	12.4	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	105	31.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	620	390	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	151	18.1	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	126	22.0	1.20	≤ 20 mg./ L.
7. Settleable Solids	-	10	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	1.95	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	6.7*10 <sup>4</sup>	4.4*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	7.2*10 <sup>3</sup>	6.5*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Turbid brown	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C

WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

\*TDS that minus from TDS of Supply Water / เป็นค่า TDS หักลบจากค่า TDS ของน้ำประปาอาคารแล้ว

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191



บริษัท วนาดอล จำกัด  
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## ANALYSIS REPORT

R. 1433/ 2022

July 18, 2022

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

July 5, 2022 / 15 : 00 pm. – 15 : 10 pm.

Testing Date

July 6 – 12, 2022.

Sampling By

Wanadol 's Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. ๖.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.06	7.15	5.5 - 9.0
2. BOD At 20 °C	-	45.0	13.8	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	33.0	16.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	468	305	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	33.6	8.60	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	125	10.0	1.65	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	0.52	0.30	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	3.0*10 <sup>3</sup>	3.5*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	4.4*10 <sup>2</sup>	4.2*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather clear	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sooksai*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191





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## ANALYSIS REPORT

R. 1765/ 2022

September 2, 2022

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

August 25, 2022 / 15 : 00 pm. – 15 : 10 pm.

Testing Date

August 26 – September 1, 2022.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. ๖.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	6.95	7.30	5.5 - 9.0
2. BOD At 20 °C	-	77.0	12.5	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	50.0	20.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	557	362	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	62.0	8.60	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	210	12.5	1.50	≤ 20 mg./ L.
7. Settleable Solids	-	0.6	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	0.88	0.33	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	3.8*10 <sup>4</sup>	3.0*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	5.8*10 <sup>3</sup>	4.5*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather turbid	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191



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## ANALYSIS REPORT

R. 1890/ 2022

September 15, 2022

Customer Name **VIC3 Bangkok**  
89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name Grease Trap , EQ-Tank And Effluent

Sampling Date / Time September 6, 2022 / 14 : 10 pm. – 14 : 25 pm.

Testing Date September 7 – 13, 2022.

Sampling By Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By Environment And Laboratory Co. , Ltd. Registration No. ๖.029

Sampling Method Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.05	7.20	5.5 - 9.0
2. BOD At 20 °C	-	68.5	23.8	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	40.0	32.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	496	320	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	55.0	10.40	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	190	8.00	1.65	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	0.75	0.30	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	3.3*10 <sup>4</sup>	3.0*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	4.7*10 <sup>3</sup>	4.2*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather turbid	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C

WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191



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## ANALYSIS REPORT

R. 2267/ 2022

November 4, 2022

Customer Name **VIC3 Bangkok**  
89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name Grease Trap , EQ-Tank And Effluent

Sampling Date / Time October 28, 2022 / 09 : 20 am. – 09 : 35 am.

Testing Date October 28 – October 2, 2022.

Sampling By Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By Environment And Laboratory Co. , Ltd. Registration No. 1.029

Sampling Method Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.10	7.25	5.5 - 9.0
2. BOD At 20 °C	-	77.5	12.9	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	36.0	15.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	410	295	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	46.2	6.40	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	220	5.20	1.20	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	0.55	0.27	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	3*10 <sup>4</sup>	2.3*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	4.2*10 <sup>3</sup>	3.5*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather turbid	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
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WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191





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## ANALYSIS REPORT

R. 2348/ 2022

November 21, 2022

Customer Name **VIC3 Bangkok**  
89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name Grease Trap , EQ-Tank And Effluent

Sampling Date / Time November 10, 2022 / 11 : 00 am. – 11 : 10 am.

Testing Date November 11 – 17, 2022.

Sampling By Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By Environment And Laboratory Co. , Ltd. Registration No. ๖.029

Sampling Method Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	6.85	6.90	5.5 - 9.0
2. BOD At 20 °C	-	126	26.6	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	80.0	37.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	517	450	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	105	20.0	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	285	32.0	4.20	≤ 20 mg./ L.
7. Settleable Solids	-	0.7	0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	2.02	0.50	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	6.8*10 <sup>4</sup>	4.2*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	5.5*10 <sup>3</sup>	7.6*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather turbid	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

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WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191



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WANADOL CO., LTD.

2/25 ถนนวัดเวฬุวนาราม แขวงดอนเมือง เขตดอนเมือง กรุงเทพฯ 10210 โทร.02-565-4406 แฟกซ์.02-000-2060  
Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 2747/ 2022

December 30, 2022

Customer Name **VIC3 Bangkok**  
89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name Grease Trap , EQ-Tank And Effluent

Sampling Date / Time December 20, 2022 / 15 : 00 pm. – 15 : 20 pm.

Testing Date December 21 – 27, 2022.

Sampling By Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By Environment And Laboratory Co. , Ltd. Registration No. ๖.029

Sampling Method Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.05	7.10	5.5 - 9.0
2. BOD At 20 °C	-	108	33.6	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	61.0	44.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	602	470	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	92.0	22.0	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	180	18.5	4.15	≤ 20 mg./ L.
7. Settleable Solids	-	0.6	0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	1.85	0.50	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	5.7*10 <sup>4</sup>	4.2*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	6.3*10 <sup>3</sup>	7.6*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather turbid	Rather turbid	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Not Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191



บริษัท วนาดอล จำกัด  
WANADOL CO., LTD.

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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 0054 / 2022

January 17, 2022

Customer Name **VIC3 Bangkok**  
89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name Grease Trap , EQ-Tank And Effluent

Sampling Date / Time January 7, 2022 / 14 : 30 pm. – 14 : 40 pm.

Testing Date January 7 – 13, 2022.

Sampling By Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By Environment And Laboratory Co. , Ltd. Registration No. 3.029

Sampling Method Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.18	7.30	5.5 - 9.0
2. BOD At 20 °C	-	20.5	4.00	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	14.0	6.00	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	364	240	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	16.0	1.80	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	170	2.20	0.55	≤ 20 mg./ L.
7. Settleable Solids	-	< 0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide	-	0.42	0.18	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	3.5*10 <sup>3</sup>	3.2*10 <sup>3</sup>	- Colony / ml
10. Fecal Coliform Bacteria (FCB)	-	6.4*10 <sup>2</sup>	4.0*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather clear	Clear liquid	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191





บริษัท วนาดอล จำกัด  
WANADOL CO., LTD.

2/25 ถนนวัดเวฬุวนาราม แขวงคลองเมือง เขตคลองเมือง กรุงเทพฯ 10210 โทร.02-565-4406 แฟกซ์.02-000-2060  
Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 0256 / 2022

February 14, 2022

Customer Name **VIC3 Bangkok**  
89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400  
Samples Name Grease Trap , EQ-Tank And Effluent  
Sampling Date / Time February 3, 2022 / 13 : 40 pm. – 13 : 50 pm.  
Testing Date February 4 – 10, 2022.  
Sampling By Wanadol ' s Officer. Registration No. 100-48-0019  
Analysis By Environment And Laboratory Co. , Ltd. Registration No. 1029  
Sampling Method Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.10	7.25	5.5 - 9.0
2. BOD At 20 °C	-	26.0	10.9	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	16.0	8.50	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	357	288	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	15.5	6.40	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	210	3.40	1.10	≤ 20 mg./ L.
7. Settleable Solids	-	< 0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	0.70	0.28	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	3.5*10 <sup>3</sup>	2.9*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	4.2*10 <sup>2</sup>	3.5*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather clear	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sooksai*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191



บริษัท วนาดอล จำกัด  
WANADOL CO., LTD.

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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 0511/ 2022

March 14, 2022

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

March 3, 2022 / 14 : 20 pm. – 14 : 30 pm.

Testing Date

March 4 – 10, 2022.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 1.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.15	7.30	5.5 - 9.0
2. BOD At 20 °C	-	20.0	4.40	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	13.0	6.00	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	270	234	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	14.0	2.00	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	225	2.56	0.60	≤ 20 mg./ L.
7. Settleable Solids	-	< 0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	0.30	0.15	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	3.3*10 <sup>3</sup>	2.5*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	3.8*10 <sup>2</sup>	3.3*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather clear	Clear liquid	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191



บริษัท วนาดอล จำกัด  
WANADOL CO., LTD.

2/25 ถนนวิภาวดีรังสิต แขวงจตุจักร เขตจตุจักร กรุงเทพฯ 10210 โทร.02-565-4406 แฟกซ์.02-000-2060  
Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 0729/ 2022

April 18, 2022

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

April 4, 2022 / 11 : 10 am. – 11 : 20 am.

Testing Date

April 5 – 11, 2022.

Sampling By

Wanadol 's Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 3.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.10	7.25	5.5 - 9.0
2. BOD At 20 °C	-	18.6	9.20	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	14.0	10.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	304	252	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	13.2	6.20	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	150	2.00	0.55	≤ 20 mg./ L.
7. Settleable Solids	-	< 0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	0.36	0.20	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	3.5*10 <sup>3</sup>	3.0*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	3.2*10 <sup>2</sup>	2.7*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather clear	Clear liquid	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191





บริษัท วนาดอล จำกัด  
WANADOL CO., LTD.

2/25 ถนนวัดเวฬุวนาราม แขวงคลองเมือง เขตคลองเมือง กรุงเทพฯ 10210 โทร.02-565-4406 แฟกซ์.02-000-2060  
Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 0729/ 2022

May 13, 2022

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

May 3, 2022 / 12 : 10 pm. – 12 : 20 pm.

Testing Date

May 3 – 10, 2022.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. ๓.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	6.95	7.30	5.5 - 9.0
2. BOD At 20 °C	-	41.0	4.40	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	30.5	6.00	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	376	240	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	34.0	3.60	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	135	3.20	0.80	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	0.47	0.25	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	3.7*10 <sup>3</sup>	2.5*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	4.4*10 <sup>2</sup>	3.0*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather clear	Clear liquid	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
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WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sooknapi*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191



บริษัท วนาดอล จำกัด  
WANADOL CO., LTD.

2/25 ถนนวัดเวฬุวนาราม แขวงคลองเมือง เขตคลองเมือง กรุงเทพฯ 10210 โทร.02-565-4406 แฟกซ์.02-000-2060  
Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 0729/ 2022

June 24, 2022

Customer Name **VIC3 Bangkok**  
89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400  
Samples Name Grease Trap , EQ-Tank And Effluent  
Sampling Date / Time June 15, 2022 / 9 : 05 am. – 9 : 10 am.  
Testing Date June 15 – 21, 2022.  
Sampling By Wanadol ' s Officer. Registration No. 100-48-0019  
Analysis By Environment And Laboratory Co. , Ltd. Registration No. ๓.029  
Sampling Method Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	6.90	7.20	5.5 - 9.0
2. BOD At 20 °C	-	68.0	6.20	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	20.0	9.20	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	380	258	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	29.0	4.00	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	165	2.20	0.22	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H <sub>2</sub> S)	-	0.37	0.20	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	3.9*10 <sup>3</sup>	2.9*10 <sup>3</sup>	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	4.5*10 <sup>2</sup>	3.0*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather clear	Clear liquid	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

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WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191



บริษัท วนาดอล จำกัด  
WANADOL CO., LTD.

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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 0242 / 2021

January 29, 2021

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

January 22, 2021 / 14 : 00 pm. – 14 : 15 pm.

Testing Date

January 22 – 28, 2021.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 1.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	6.85	6.80	5.5 - 9.0
2. BOD At 20 °C	-	42.0	6.50	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	35.0	18.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	428	250	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	33.0	6.20	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	103	3.20	0.20	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide	-	1.02	0.12	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	> 74,000	> 2,200	- Colony / ml
10. Fecal Coliform Bacteria (FCB)	-	2.8*10 <sup>3</sup>	1.2*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	Gray turbid	Rather clear	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

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WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of VIC3 Bangkok Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191





**บริษัท วนาดอล จำกัด**  
**WANADOL CO., LTD.**

2/25 ถนนวัดเวฬุวนาราม แขวงคลองเมือง เขตคลองเมือง กรุงเทพฯ 10210 โทร.02-565-4406 แฟกซ์.02-000-2060  
Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

**R. 0399 / 2021**

March 05, 2021

Customer Name **VIC3 Bangkok**  
89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400  
Samples Name Grease Trap , EQ-Tank And Effluent  
Sampling Date / Time February 22, 2021 / 12 : 20 pm. – 12 : 30 pm.  
Testing Date February 22 – 28, 2021.  
Sampling By Wanadol ' s Officer. Registration No. 100-48-0019  
Analysis By Environment And Laboratory Co. , Ltd. Registration No. ๖029  
Sampling Method Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	6.80	6.98	5.5 - 9.0
2. BOD At 20 °C	-	60.4	7.5	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	30.6	8.6	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	521	300	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	30.0	6.00	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	98.60	3.00	0.20	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide	-	1.21	0.10	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	> 74,000	> 2,200	- Colony / ml
10. Fecal Coliform Bacteria (FCB)	-	$2.8 \times 10^3$	$1.2 \times 10^2$	1,000 MPN / 100ml
Sample Condition	Gray turbid	Rather clear	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of VIC3 Bangkok Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191



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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 0508 / 2021

March 24, 2021

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

March 15, 2021 / 12 : 40 pm. – 12 : 55 pm.

Testing Date

March 15 – 22, 2021.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. ๖.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	6.85	6.90	5.5 - 9.0
2. BOD At 20 °C	-	80.0	9.8	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	35.0	9.5	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	500	298	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	35.0	6.80	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	106	5.20	0.20	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide	-	1.02	0.10	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	> 74,000	> 2,200	- Colony / ml
10. Fecal Coliform Bacteria (FCB)	-	2.6*10 <sup>3</sup>	1.0*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	Gray turbid	Rather clear	Clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of VIC3 Bangkok Met The Effluent Standards Of Type B.

*N. Sooksai*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191





**บริษัท วนาดอล จำกัด**  
**WANADOL CO., LTD.**

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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

**R. 0875 / 2021**

April 30, 2021

Customer Name **VIC3 Bangkok**  
89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400  
Samples Name Grease Trap , EQ-Tank And Effluent  
Sampling Date / Time April 20, 2021 / 12 : 45 pm. – 12 : 55 pm.  
Testing Date April 21 – 27, 2021.  
Sampling By Wanadol ' s Officer. Registration No. 100-48-0019  
Analysis By Environment And Laboratory Co. , Ltd. Registration No. ๖.029  
Sampling Method Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	6.81	7.05	5.5 - 9.0
2. BOD At 20 °C	-	105	8.50	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	77.0	10.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	518	312	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	66.0	5.60	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	88.0	41.5	1.10	≤ 20 mg./ L.
7. Settleable Solids	-	0.8	< 0.5	≤ 0.5 ml./ L.
8. Sulfide	-	2.02	0.22	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	> 68,000	> 1,600	- Colony / ml
10. Fecal Coliform Bacteria (FCB)	-	$2.4 \times 10^3$	$1.2 \times 10^2$	1,000 MPN / 100ml
Sample Condition	Gray turbid	Rather clear	Clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of VIC3 Bangkok Met The Effluent Standards Of Type B.

*N. Sooksai*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191





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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 1035 / 2021

May 17, 2021

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

May 6, 2021 / 10 : 50 am. – 11 : 00 am.

Testing Date

May 7 – 13, 2021.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 3.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	6.77	6.92	5.5 - 9.0
2. BOD At 20 °C	-	32.0	4.04	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	25.0	6.00	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	310	258	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	22.0	2.10	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	102	3.50	0.55	≤ 20 mg./ L.
7. Settleable Solids	-	< 0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide	-	0.44	0.10	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	> 42,000	> 1,200	- Colony / ml
10. Fecal Coliform Bacteria (FCB)	-	2.0*10 <sup>3</sup>	88	1,000 MPN / 100ml
Sample Condition	Gray turbid	Rather clear	Clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of VIC3 Bangkok Met The Effluent Standards Of Type B.

*N. Sooksai*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191



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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 1246 / 2021

June 11, 2021

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

June 2, 2021 / 11 : 10 am. – 11 : 20 am.

Testing Date

June 3 – 9, 2021.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 1.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	6.80	7.08	5.5 - 9.0
2. BOD At 20 °C	-	42.0	11.6	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	31.5	25.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	395	282	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	28.0	6.04	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	75.0	10.2	1.20	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide	-	1.02	0.27	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	> 44,000	560	- Colony / ml
10. Fecal Coliform Bacteria (FCB)	-	2.5*10 <sup>3</sup>	44	1,000 MPN / 100ml
Sample Condition	Gray turbid	Rather clear	Clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C

WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of VIC3 Bangkok Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191





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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 1586 / 2021

July 27, 2021

Customer Name **VIC3 Bangkok**  
89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400  
Samples Name Grease Trap , EQ-Tank And Effluent  
Sampling Date / Time July 15, 2021 / 12 : 40 pm. – 13 : 00 pm.  
Testing Date July 16 – 22, 2021.  
Sampling By Wanadol ' s Officer. Registration No. 100-48-0019  
Analysis By Environment And Laboratory Co. , Ltd. Registration No. ๖.029  
Sampling Method Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.08	7.20	5.5 - 9.0
2. BOD At 20 °C	-	45.7	5.00	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	29.0	9.00	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	405	265	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	33.6	3.60	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	120.5	18.0	1.50	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide	-	1.20	0.15	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	> 37,000	525	- Colony / ml
10. Fecal Coliform Bacteria (FCB)	-	$2.3 \times 10^3$	$1.2 \times 10^2$	1,000 MPN / 100ml
Sample Condition	Gray turbid	Rather clear	Clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

N. Sookchai

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191





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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 1703 / 2021

August 16, 2021

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

August 6, 2021 / 12 : 40 pm. – 13 : 00 pm.

Testing Date

August 6 – 13, 2021.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. ๖.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.10	7.30	5.5 - 9.0
2. BOD At 20 °C	-	33.0	3.20	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	25.0	5.00	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	380	225	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	29.5	1.94	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	220	5.20	0.28	≤ 20 mg./ L.
7. Settleable Solids	-	< 0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide	-	0.55	0.11	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	> 3.2*10 <sup>5</sup>	320	- Colony / ml
10. Fecal Coliform Bacteria (FCB)	-	2.0*10 <sup>3</sup>	220	1,000 MPN / 100ml
Sample Condition	Gray turbid	Rather clear	Clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sooksai*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191



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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 1893 / 2021

September 13, 2021

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

September 2, 2021 / 11 : 35 am. – 11 : 50 am.

Testing Date

September 3 – 9, 2021.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. ๖029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	6.90	7.15	5.5 - 9.0
2. BOD At 20 °C	-	31.5	6.00	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	22.0	10.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	358	240	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	28.0	4.60	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	205	4.50	1.56	≤ 20 mg./ L.
7. Settleable Solids	-	< 0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide	-	0.48	0.23	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	> 3.8*10 <sup>5</sup>	> 2.6*10 <sup>3</sup>	- Colony / ml
10. Fecal Coliform Bacteria (FCB)	-	2.4*10 <sup>3</sup>	4.1*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	Gray turbid	Rather clear	Clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
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WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sooknapi*

(Ms.Noochnapa Sooknapi)

Registration No. 100-48-00191





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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 2149 / 2021

October 15, 2021

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

October 7, 2021 / 11 : 00 am. – 11 : 20 am.

Testing Date

October 8 – 14, 2021.

Sampling By

Wanadol 's Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. ๖.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.05	7.10	5.5 - 9.0
2. BOD At 20 °C	-	55.0	8.00	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	30.0	12.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	410	260	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	34.0	6.20	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	180	10.0	2.10	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide	-	1.05	0.33	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	$> 4.5 \times 10^5$	$> 2.4 \times 10^3$	- Colony / ml
10. Fecal Coliform Bacteria (FCB)	-	$3.8 \times 10^3$	$3.5 \times 10^2$	1,000 MPN / 100ml
Sample Condition	White turbid	Rather turbid	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
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WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sooksai*

(Ms.Noochnapa Sooksai)

Registration No. 100-48-00191





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Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 2571 / 2021

December 3, 2021

Customer Name

**VIC3 Bangkok**

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

November 23, 2021 / 10 : 30 am. – 10 : 40 am.

Testing Date

November 24 – 30, 2021.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 2.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	6.94	7.05	5.5 - 9.0
2. BOD At 20 °C	-	51.5	10.2	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	32.0	8.00	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	390	276	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	36.6	5.60	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	152	8.20	2.05	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide	-	0.95	0.22	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	$> 4.7 \times 10^5$	$> 2.6 \times 10^3$	- Colony / ml
10. Fecal Coliform Bacteria (FCB)	-	$3.2 \times 10^3$	$3.7 \times 10^2$	1,000 MPN / 100ml
Sample Condition	White turbid	Rather turbid	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 4500-H+B  
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 5210B and part 4500-O C  
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23<sup>rd</sup> Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

*N. Sookchai*

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191



บริษัท วนาดอล จำกัด  
WANADOL CO., LTD.

2/25 ถนนวัดเวฬุวนาราม แขวงคลองเมือง เขตคลองเมือง กรุงเทพฯ 10210 โทร.02-565-4406 แฟกซ์.02-000-2060  
Email: wanadol\_eng@hotmail.com Tax ID: No: 0105539005936

## ANALYSIS REPORT

R. 2677 / 2021

December 21, 2021

Customer Name **VIC3 Bangkok**  
89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400  
Samples Name Grease Trap , EQ-Tank And Effluent  
Sampling Date / Time December 9, 2021 / 15 : 00 pm. – 15 : 10 pm.  
Testing Date December 10 – 16, 2021.  
Sampling By Wanadol ' s Officer. Registration No. 100-48-0019  
Analysis By Environment And Laboratory Co. , Ltd. Registration No. ๖.029  
Sampling Method Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH At 25 °C	-	7.10	7.25	5.5 - 9.0
2. BOD At 20 °C	-	24.0	10.0	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	20.0	12.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	340	256	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	20.0	8.04	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	120	2.50	1.00	≤ 20 mg./ L.
7. Settleable Solids	-	< 0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide	-	0.37	0.20	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	3.2*10 <sup>3</sup>	2.7*10 <sup>3</sup>	- Colony / ml
10. Fecal Coliform Bacteria (FCB)	-	4.6*10 <sup>2</sup>	3.5*10 <sup>2</sup>	1,000 MPN / 100ml
Sample Condition	White turbid	Rather clear	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

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The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

N. Sookchai

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191