

ANALYTICAL REPORT

Sample Description

SGS Ref : KK23-00263.001	Date Sample Received : 07-Mar-23
Company : Jabatan Perkhidmatan Pembetungan Sabah	Sampling Date/Time : 07-Mar-23 / 11:30am
Tingkat 3,4,9,10 & 11 Menara C, Wisma	Sample Marking : Final Effluent
Tun Fuad Stephens, KM2.4, Jln Tuaran	Sample Description : One (1) sewage sample
Karamunsing, 88300 Kota Kinabalu, Sabah	Sampling Location : LRKS Kota Kinabalu Selatan
Contact Person : Azizzami bin Raidin	Date of Analysis : 09-Mar-23 – 15-Mar-23
	Date Reported : 15-Mar-23

Analysis Results (as submitted)

No.	Test Parameters	Results	Unit	Method Reference
1	*Temperature	31.8	°C	In-situ by pH & Temperature meter
2	*pH	7.20	-	In-situ by pH & Temperature meter
3	Biochemical Oxygen Demand (BOD ₅)	5	mg/L	APHA 5210 B
4	Chemical Oxygen Demand	19	mg/L	APHA 5220 D
5	Total Suspended Solid	24.0	mg/L	APHA 2540 D
6	Oil & Grease	<3.0	mg/L	APHA 5520 B
7	Ammoniacal Nitrogen	5.0	mg/L	APHA 4500 NH ₃ B&C
8	Nitrate Nitrogen	1.73	mg/L	APHA 4500-NO ₃ ⁻ E

Remark:

mg/L – milligram per liter

* This analysis is conducted in-situ by client and not accredited

Reported by,



Sonja Sheena Jacob
 Chemist
 IKM No.: L/3025/8988/21

Authorised Signatory,



Umang Stanycie Sakai
 Chemist
 IKM No.: M/6062/7316/16/22

1. The results shown in this test report specifically refer to the sample(s) tested as received unless otherwise stated.
2. All tests have been performed using the latest revision of the methods indicated, unless specifically marked otherwise on the report.
3. Precision parameters apply in the determination of the above results. Users of analytical results, when establishing conformance with commercial or regulatory requirements should note the full provisions of ASTM D3244, IP 367 and ISO 4259 in that context, the default confidence level of the analysis result having been set at the 95% confidence level. Your attention is specifically drawn to Sections 7.3.6., 7.3.7 and 7.3.8 of ASTM D3244.
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ANALYTICAL REPORT

Sample Description

SGS Ref : KK23-00297.006	Date Sample Received : 14-Mar-23
Company : Jabatan Perkhidmatan Pembetungan Sabah	Sampling Date/Time : 14-Mar-23 / 09:30am
Tingkat 3,4,9,10 & 11 Menara C, Wisma	Sample Marking : Final Effluent
Tun Fuad Stephens, KM2.4, Jln Tuaran	Sample Description : One (1) sewage sample
Karamunsing, 88300 Kota Kinabalu, Sabah	Sampling Location : LRKS Kota Kinabalu Selatan
Contact Person : Azizzami bin Raidin	Date of Analysis : 16-Mar-23 – 27-Mar-23
	Date Reported : 27-Mar-23

Analysis Results (as submitted)

No.	Test Parameters	Results	Unit	Method Reference
1	*Temperature	29.1	°C	In-situ by pH & Temperature meter
2	*pH	6.80	-	In-situ by pH & Temperature meter
3	Biochemical Oxygen Demand (BOD ₅)	8	mg/L	APHA 5210 B
4	Chemical Oxygen Demand	19	mg/L	APHA 5220 D
5	Total Suspended Solid	26.0	mg/L	APHA 2540 D
6	Oil & Grease	<3.0	mg/L	APHA 5520 B
7	Ammoniacal Nitrogen	1.7	mg/L	APHA 4500 NH ₃ B&C
8	Nitrate Nitrogen	2.00	mg/L	APHA 4500-NO ₃ ⁻ E

Remark:

mg/L – milligram per liter

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ANALYTICAL REPORT

Sample Description

SGS Ref : KK23-00336.006	Date Sample Received : 21-Mar-23
Company : Jabatan Perkhidmatan Pembedungan Sabah	Sampling Date/Time : 21-Mar-23 / 11:35am
Tingkat 3,4,9,10 & 11 Menara C, Wisma	Sample Marking : Final Effluent
Tun Fuad Stephens, KM2.4, Jln Tuaran	Sample Description : One (1) sewage sample
Karamuning, 88300 Kota Kinabalu, Sabah	Sampling Location : LRKS Kota Kinabalu Selatan
Contact Person : Azizzami bin Raidin	Date of Analysis : 22-Mar-23 – 30-Mar-23
	Date Reported : 31-Mar-23

Analysis Results (as submitted)

No.	Test Parameters	Results	Unit	Method Reference
1	*Temperature	28.4	°C	In-situ by pH & Temperature meter
2	*pH	6.90	-	In-situ by pH & Temperature meter
3	Biochemical Oxygen Demand (BOD ₅)	11	mg/L	APHA 5210 B
4	Chemical Oxygen Demand	49	mg/L	APHA 5220 D
5	Total Suspended Solid	42.0	mg/L	APHA 2540 D
6	Oil & Grease	<3.0	mg/L	APHA 5520 B
7	Ammoniacal Nitrogen	1.7	mg/L	APHA 4500 NH ₃ B&C
8	Nitrate Nitrogen	11.10	mg/L	APHA 4500 NO ₃ ⁻ E

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Reported by,



 ChM. Sonja Sheena Jacob
 Chemist

IKM No.: L/3025/8988/21

Authorised Signatory,



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 Chemist

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ANALYTICAL REPORT

Sample Description

SGS Ref : KK23-00407.003	Date Sample Received : 28-Mar-23
Company : Jabatan Perkhidmatan Pembedungan Sabah	Sampling Date/Time : 28-Mar-23 / 11:10am
Tingkat 3,4,9,10 & 11 Menara C, Wisma	Sample Marking : Final Effluent
Tun Fuad Stephens, KM2.4, Jln Tuaran	Sample Description : One (1) sewage sample
Karamuning, 88300 Kota Kinabalu, Sabah	Sampling Location : LRKS Kota Kinabalu Selatan
Contact Person : Azizzami bin Raidin	Date of Analysis : 30-Mar-23 – 05-Apr-23
	Date Reported : 05-Apr-23

Analysis Results (as submitted)

No.	Test Parameters	Results	Unit	Method Reference
1	*Temperature	29.6	°C	In-situ by pH & Temperature meter
2	*pH	6.90	-	In-situ by pH & Temperature meter
3	Biochemical Oxygen Demand (BOD ₅)	19	mg/L	APHA 5210 B
4	Chemical Oxygen Demand	134	mg/L	APHA 5220 D
5	Total Suspended Solid	106.0	mg/L	APHA 2540 D
6	Oil & Grease	3.4	mg/L	APHA 5520 B
7	Ammoniacal Nitrogen	4.5	mg/L	APHA 4500 NH ₃ B&C
8	Nitrate Nitrogen	7.16	mg/L	APHA 4500 NO ₃ ⁻ E

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