

## ANALYTICAL REPORT

### Sample Description

SGS Ref : KK23-00270.002	Date Sample Received : 09-Mar-23
Company : Jabatan Perkhidmatan Pembedungan Sabah	Sampling Date/Time : 08-Mar-23 / 07:45am
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 : LRKB Tamparuli
Contact Person : Azizzami bin Raidin	Date of Analysis : 09-Mar-23 – 17-Mar-23
	Date Reported : 20-Mar-23

### Analysis Results (as submitted)

No.	Test Parameters	Results	Unit	Method Reference
1	*Temperature	27.7	°C	In-situ by pH & Temperature meter
2	*pH	7.13	-	In-situ by pH & Temperature meter
3	Biochemical Oxygen Demand (BOD <sub>5</sub> )	17	mg/L	APHA 5210 B
4	Chemical Oxygen Demand	31	mg/L	APHA 5220 D
5	Total Suspended Solid	44.0	mg/L	APHA 2540 D
6	Oil & Grease	<3.0	mg/L	APHA 5520 B
7	Ammoniacal Nitrogen	8.4	mg/L	APHA 4500 NH <sub>3</sub> B&C
8	Nitrate Nitrogen	3.32	mg/L	APHA 4500 NO <sub>3</sub> <sup>-</sup> E

Remark:

mg/L – milligram per liter

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

Reported by,



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

Authorised Signatory,



Umang Stancycie 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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This laboratory is accredited under ISO/IEC 17025. The results reported herein have been performed in accordance with the laboratory's term of accreditation except calibrations/tests marked with an asterisk (\*) in this report which are not within the scope of accreditation for our laboratory.

## ANALYTICAL REPORT

### Sample Description

SGS Ref : KK23-00300.001	Date Sample Received : 15-Mar-23
Company : Jabatan Perkhidmatan Pembedungan Sabah	Sampling Date/Time : 15-Mar-23 / 08:20am
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 : LRKB Tamparuli
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	27.1	°C	In-situ by pH & Temperature meter
2	*pH	7.84	-	In-situ by pH & Temperature meter
3	Biochemical Oxygen Demand (BOD <sub>5</sub> )	14	mg/L	APHA 5210 B
4	Chemical Oxygen Demand	38	mg/L	APHA 5220 D
5	Total Suspended Solid	12.0	mg/L	APHA 2540 D
6	Oil & Grease	<3.0	mg/L	APHA 5520 B
7	Ammoniacal Nitrogen	10.1	mg/L	APHA 4500 NH <sub>3</sub> B&C
8	Nitrate Nitrogen	0.78	mg/L	APHA 4500 NO <sub>3</sub> <sup>-</sup> E

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## ANALYTICAL REPORT

### Sample Description

SGS Ref : KK23-00340.001	Date Sample Received : 22-Mar-23
Company : Jabatan Perkhidmatan Pembedungan Sabah	Sampling Date/Time : 22-Mar-23 / 08:00am
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 : LRKB Tamparuli
Contact Person : Azizzami bin Raidin	Date of Analysis : 23-Mar-23 – 30-Mar-23
	Date Reported : 31-Mar-23

### Analysis Results (as submitted)

No.	Test Parameters	Results	Unit	Method Reference
1	*Temperature	26.8	°C	In-situ by pH & Temperature meter
2	*pH	7.03	-	In-situ by pH & Temperature meter
3	Biochemical Oxygen Demand (BOD <sub>5</sub> )	12	mg/L	APHA 5210 B
4	Chemical Oxygen Demand	32	mg/L	APHA 5220 D
5	Total Suspended Solid	8.0	mg/L	APHA 2540 D
6	Oil & Grease	<3.0	mg/L	APHA 5520 B
7	Ammoniacal Nitrogen	9.0	mg/L	APHA 4500 NH <sub>3</sub> B&C
8	Nitrate Nitrogen	3.87	mg/L	APHA 4500 NO <sub>3</sub> <sup>-</sup> E

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## ANALYTICAL REPORT

### Sample Description

SGS Ref : KK23-00409.001	Date Sample Received : 29-Mar-23
Company : Jabatan Perkhidmatan Pembedungan Sabah	Sampling Date/Time : 29-Mar-23 / 08:00am
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 : LRKB Tamparuli
Contact Person : Azizzami bin Raidin	Date of Analysis : 30-Mar-23 – 05-Apr-23
	Date Reported : 06-Apr-23

### Analysis Results (as submitted)

No.	Test Parameters	Results	Unit	Method Reference
1	*Temperature	26.0	°C	In-situ by pH & Temperature meter
2	*pH	7.04	-	In-situ by pH & Temperature meter
3	Biochemical Oxygen Demand (BOD <sub>5</sub> )	14	mg/L	APHA 5210 B
4	Chemical Oxygen Demand	42	mg/L	APHA 5220 D
5	Total Suspended Solid	12.0	mg/L	APHA 2540 D
6	Oil & Grease	5.1	mg/L	APHA 5520 B
7	Ammoniacal Nitrogen	15.7	mg/L	APHA 4500 NH <sub>3</sub> B&C
8	Nitrate Nitrogen	1.80	mg/L	APHA 4500 NO <sub>3</sub> <sup>-</sup> E

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