

NO: SAMM 782(Issue 2, 12 August 2025 replacement
of SAMM 782 dated 27 December 2023)

Page: 1 of 5

LABORATORY LOCATION/ CENTRAL OFFICE:	Chemsain Konsultant Sdn. Bhd., Bintulu Sublot No. 153, Lot 8226, Bintulu Sentral, Jalan Kidurong, 97000 Bintulu, Sarawak , 97000, SARAWAK MALAYSIA
	
ACCREDITED SINCE :	12 AUGUST 2025
FIELD(S) OF TESTING:	CHEMICAL
SITE:	
1 . SITE LABORATORY(HQ) :	CATEGORY I
FIELD(S) OF TESTING :	CHEMICAL

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

CENTRAL LOCATION:	Chemsain Konsultant Sdn. Bhd., Bintulu Sublot No. 153, Lot 8226, Bintulu Sentral, Jalan Kidurong, 97000 Bintulu, Sarawak , 97000, Sarawak
FIELD(S) OF TESTING :	CHEMICAL,

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Environmental Monitoring Water & Wastewater	Turbidity	APHA 2130 B, 2005, 2017 & 2023
	Total Alkalinity (bicarbonate/ carbonate/ hydroxide)	APHA 2320 B, 2005, 2017 & 2023
	Conductivity	APHA 2510 B, 2005, 2017 & 2023
	Salinity	APHA 2520 B, 2005, 2017 & 2023 (by conductivity method)
	Temperature	APHA 2550 B, 2005, 2017 & 2023
	Total Solids	APHA 2540 B, 2005, 2017 & 2023
	Total Dissolve Solids	APHA 2540 C, 2005, 2017 & 2023

Schedule

Issue date: 12 August 2025
Valid Until: -



NO: SAMM 782

(Issue 2, 12 August 2025 replacement of SAMM 782 dated 27 December 2023)

Page: 2 of 5

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Total Suspended Solids	APHA 2540 D, 2005, 2017 & 2023
	Total hardness	APHA 2340 C, 2005, 2017 & 2023
	pH	APHA 4500 H+B, 2005, 2017 & 2023
	Free Carbon dioxide	APHA 4500 CO ₂ C, 2005, 2017 & 2023
	Free Carbon dioxide (by calculation)	APHA 4500 CO ₂ D, 2005, 2017 & 2023
	Chloride	APHA 4500 Cl- B, 2005, 2017 & 2023
	Dissolved Oxygen	APHA 4500 OG, 2005, 2017 & 2023
	Dissolved Oxygen	APHA 4500 OC, 2005, 2017 & 2023
	Ammoniacal Nitrogen	APHA 4500 NH ₃ B & C, 2005, 2017 & 2023
	Total Nitrogen, Kjeldahl (as N)	APHA 4500 Norg B, 2005, 2017 & 2023
	Sulphate	APHA 4500 SO ₄ 2- E, 2005, 2017 & 2023
	Biochemical Oxygen Demand (BOD) 5 days @ 20 °C	APHA 5210 B & 4500-O C, 2005, 2017 & 2023
	Biochemical Oxygen Demand (BOD) 5 days @ 20 °C	APHA 5210 B & 4500-O G, 2005, 2017 & 2023
	Chemical Oxygen Demand	APHA 5220 C, 2005, 2017 & 2023
	Oil & Grease	APHA 5520 B, 2005, 2017 & 2023
	Free, Combined and Total Residual Chlorine	In-house Method 0501 based Palintest Comparator
Environmental Monitoring Marine Water/ Estuarine water/ Formation Water/ Produced Water	Biochemical Oxygen Demand (BOD) 5 days @ 20 °C	APHA 5210 B & 4500-O C, 2005, 2017 & 2023
	Chemical Oxygen Demand	APHA 5220 C, 2005, 2017 & 2023
	Oil & Grease	APHA 5520 B, 2005, 2017 & 2023
	Free, Combined and Total Residual Chlorine	In-house Method 0501 based Palintest Comparator
	Unionised Ammonia by Calculation	In-house Method 0590 adopted from Unionised Ammonia Calculator V 1.2 by Florida Dept. of Environment Protection
	Biochemical Oxygen Demand (BOD) 5 days @ 20 °C	APHA 5210 B & 4500-O C, 2005, 2017 & 2023
	Sulphate	APHA 4500 SO ₄ ²⁻ E, 2005, 2017 & 2023
	Total Nitrogen, Kjeldahl (as N)	APHA 4500 Norg B, 2005, 2017 & 2023
	Ammoniacal Nitrogen	APHA 4500 NH ₃ B & C, 2005, 2017 & 2023
	Dissolved Oxygen	APHA 4500 OG, 2005, 2017 & 2023

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3002491> for the current scope of accreditation

Schedule

Issue date: 12 August 2025
Valid Until: -



NO: SAMM 782

(Issue 2, 12 August 2025 replacement of SAMM 782 dated 27 December 2023)

Page: 3 of 5

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Dissolved Oxygen	APHA 4500 OC, 2005, 2017 & 2023
	Chloride	APHA 4500 Cl- B, 2005, 2017 & 2023
	Free Carbon dioxide	APHA 4500 CO2 C, 2005, 2017 & 2023
	pH	APHA 4500 H ⁺ B, 2005, 2017 & 2023
	Total hardness	APHA 2340 C, 2005, 2017 & 2023
	Total Suspended Solids	APHA 2540 D, 2005, 2017 & 2023
	Total Dissolve Solids	APHA 2540 C, 2005, 2017 & 2023
	Total Solids	APHA 2540 B, 2005, 2017 & 2023
	Temperature	APHA 2550 B, 2005, 2017 & 2023
	Salinity	APHA 2520 B, 2005, 2017 & 2023
	Conductivity	APHA 2510 B, 2005, 2017 & 2023
	Total Alkalinity (bicarbonate/ carbonate/ hydroxide)	APHA 2320 B, 2005, 2017 & 2023
	Turbidity	APHA 2130 B, 2005, 2017 & 2023
Environmental Monitoring Palm Oil Mill Effluent	Biochemical Oxygen Demand	DOE 2019, Reference Method, Biochemical Oxygen Demand
	Chemical Oxygen Demand	DOE 2019, Reference Method, Chemical Oxygen Demand
	Oil & Grease	DOE 2019, Reference Method, Oil and Grease
	Suspended solids	DOE 2019, Reference Method, Suspended Solid
	Ammoniacal Nitrogen	DOE 2019, Reference Method, Ammoniacal Nitrogen
	Total Nitrogen (Macro)	DOE 2019, Reference Method, Total Nitrogen (Macro)
Biodiesel Blend & Petroleum Products	Flash Point	ASTM D 93 -20 (by Pensky-Martens Closed Cup Tester)
Natural Gas	Composition analysis (C1- C11, C12+, N2, CO2)	GPA 2286-14 Gas Chromatography
	Calculated Properties	ISO 6976:2016
Petroleum And Petroleum Products	Density	ASTM D 4052-22
	Water Content	ASTM D 4928-19 ASTM D 6304-20
Crude Oil	Density	ASTM D 5002-22
Biodiesel & Biodiesel Blend	Density	ASTM D 4052-22
Glycol	pH	ASTM D 1287-11 (2020)
	Total Suspended Solids	In-house Method 0584 based on APHA 2540 D 2017
	Density	ASTM D 4052-22 by Densitometer
	Specific Gravity @ 15oC	ASTM D 4052-22 by Densitometer
	Reserved Alkalinity	ASTM D 1121-11 (2020)
	Refractive Index	ASTM D 1218-21
	Water Content	ASTM D 1123-22

Schedule

Issue date: 12 August 2025
Valid Until: -



NO: SAMM 782

(Issue 2, 12 August 2025 replacement
of SAMM 782 dated 27 December 2023)

Page: 4 of 5

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Water / Formation Water/ Produced Water	Density	In-house Method 0555 based on ASTM D 4052-22
	Hydrocarbon	APHA 5520 F, 2005, 2017 & 2023

Schedule

Issue date: 12 August 2025
Valid Until: -



NO: SAMM 782

(Issue 2, 12 August 2025 replacement
of SAMM 782 dated 27 December 2023)

Page: 5 of 5

SITE LOCATION (HQ)	1. CATEGORY I
FIELD(S) OF TESTING :	CHEMICAL

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Environmental Monitoring Water & Wastewater - Marine Water/ Estuarine Water/ Formation Water/ Produced Water	pH	APHA 4500 H+B, 2005, 2017 & 2023
	Dissolved Oxygen	APHA 4500 OG, 2005, 2017 & 2023
	Conductivity	APHA 2510 B, 2005, 2017 & 2023
	Temperature	APHA 2550 B, 2005, 2017 & 2023
	Free, Combined and Total Residual Chlorine	In-house Method 0501 based Palintest Comparator

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3002491> for the current scope of accreditation