


NO: SAMM 243

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LABORATORY LOCATION/ CENTRAL OFFICE:	Shell MDS (M) Sdn. Bhd. Tanjong Kidurong 97000 Bintulu Sarawak , 97000, SARAWAK MALAYSIA
	
ACCREDITED SINCE :	26 MARCH 2025
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:	Shell MDS (M) Sdn. Bhd. Tanjong 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
Petroleum & Petroleum Products Middle Distillates With Boiling Range From 30 °C ? 360 °C,	Flash Point	IP 170-14
	Vapour Pressure	ASTM D 5191-20
	Density	ASTM D 4052-18a
	Cloud Point	ASTM D 2500-17a
	Freezing Point	ASTM D 2386-19
	Colour	ASTM D 1500-12 (R17)
	Smoke Point	ASTM D 1322-19
	Density	ASTM D 1298-12b (R17)
	Cetane Index	ASTM D 976-06 (R16)
	Aniline Point	ASTM D 611-12(R16) Method E
	Sediment	ASTM D 473-07(R17)
	Viscosity	ASTM D 445-21
	Saybolt Colour	ASTM D 156-15
	Copper Corrosion	ASTM D 130-19

Schedule

Issue date: 26 March 2025
Valid Until: 01 September 2029



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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Pour Point	ASTM D 97-17b
	Water	ASTM D 95-13 (R18)
	Flash Point	ASTM D 93- 20 (Procedure A)
	Distillation	ASTM D 86-20b
Waxy Raffinate / Dewaxed Raffinate	Evaporation Loss	ASTM D 5800-20 (Procedure B)
	Wax Content	SMS 2511-03
	Colour Stability	SMS 260-02
	Density	ASTM D 4052-18a
	Viscosity Index	ASTM D 2270-10 (R16)
	Colour	ASTM D 1500-12 (R17)
	Density	ASTM D 1298-12b (R17)
	Acid Number	ASTM D 974-14
	Congeaing Point	ASTM D 938-12 (R17)
	Viscosity	ASTM D 445-19a
	Ash Content	ASTM D482-19
	Flash Point	ASTM D 93- 20 (Procedure A)
Wax, Having Congeaing Point In The Range Of 27 ?c	Needle Penetration of Petroleum Waxes	ASTM D1321-16a
	Wax Cloud Point	In house Method, SMDS-01-95, based on ASTM D2500
	Penetration	IP 376-86 (R04)
	UV Absorptivity	ASTM D 2008-12 (R18)
	Congeaing Point	ASTM D 938-12 (R17)
	Number	ASTM D 974-14
	Oil Content Acid	ASTM D 721-17
	Viscosity	ASTM D 445-19a
	Saybolt Colour	ASTM D 156-15
	Drop Melting Point	ASTM D 127-19 (Test Method A)
Effluent Water / Ground Water	Conductivity	APHA-2510B ? 23 Edition
	Oil and Grease	APHA-5520B ? 23 Edition
	pH	APHA 4500-H:B ? 23' Edition
	Total Suspended Solids Chemical Oxygen Demand	APHA-2540D ? Edition APHA-5220D ? 23 Edition
Process Gases & Process Recycle Gases	Gas Composition by Refinery Gas Analysis (RGA) Method. Components: - Methane - Carbon Dioxide - Nitrogen - Hydrogen - Carbon Monoxide	In house Method, SMDS -" 31- 10 based on ASTM D1946

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