


Schedule

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LABORATORY LOCATION/ CENTRAL OFFICE:	Kuala Lumpur Kepong Bhd 11, Jalan Teknologi 3/6, Taman Sains Selangor, Kota Damansara 47810 Petaling Jaya, Selangor , 47810, SELANGOR MALAYSIA
	
ACCREDITED SINCE :	27 MARCH 2025
FIELD(S) OF TESTING:	CHEMICAL MECHANICAL

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:	Kuala Lumpur Kepong Bhd 11, Jalan Teknologi 3/6, Taman Sains Selangor, Kota Damansara 47810 Petaling Jaya, Selangor , 47810, Selangor
FIELD(S) OF TESTING :	CHEMICAL, MECHANICAL

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Palm Oil Mill & Rubber Factory Effluent	Volatile Fatty Acids (VFA)	APHA (5560 C, 2017)
	Total Solids (TS)	APHA (2540 B, 2017)
	Total Alkalinity (TA)	APHA (2320 B, 2017)
	pH Value	APHA (4500-H*B, 2017)
	Oil and Grease (O&G)	DOE (M'sia, 2019) (REF) (Treated POME) DOE (M'sia, 2019) (REF) (Raw POME)
	Suspended Solids (SS)	DOE (M'sia, 2019) (REF) DOE (M'sia, 2019) (ALT)
	Ammoniacal Nitrogen (AN)	DOE (M'sia, 2019) (REF)
	Total Nitrogen (TN)	DOE (M'sia, 2019) (ALT)

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Chemical Oxygen Demand (COD)	DOE (M'sia, 2019) (ALT) APHA (5220 D, 2017)
	Biochemical Oxygen Demand (BOD)	DOE (M'sia, 2019) (REF) DOE (M'sia, 2019) (ALT)
	Ratio of VFA / TA	By Calculation
Palm Oil & Palm Oil Products	Discriminant Function ($-^{\wedge}tY$) $0.3 (E1\%269C) + 16 DOBI + 0.13PV$ (meq/kg) - 27.29	By Calculation Based on PORIM Information Series No. 18
	UV Totox ($E1\%233C + E1\%269C$)	By Calculation
	Determination of Iodine Value (WIJS)	MPOB p 3.2 : 2004 (IV)
	Determination of Specific Extinction in Ultra-Violet Light at 233 nm and 269 nm	MS 817 (1989)
	Deterioration of Bleachability Index of Crude Palm Oil (DOBI)	MS 817 (1989)
	Determination of Carotene	MS 817 (1989)
	Determination of Acidity (FFA)	MS 817 (1989)
	Determination of Peroxide Value (PV)	MS 817 : PART 11 : 2004
	Determination of Impurities (DIRT)	MS 817 (1989)
	Determination of Volatile Matter (VM)	MS 817 : PART 2: 1998
Industrial Effluent	Oil & Grease	APHA 5520 B APHA Methods - 23 rd Edition, 2017
	Suspended Solids (SS)	APHA 2540 D APHA Methods - 23 rd Edition, 2017
	Biochemical Oxygen Demand 5 Days	APHA 5210 B APHA Methods - 23 rd Edition, 2017
Raw, Dry Natural Rubber	Nitrogen	SMR Bulletin No. 7 (B.5), Revised Edition 2018
	Ash	SMR Bulletin No. 7 (B.4), Revised Edition 2018
	Volatile Matter	SMR Bulletin No. 7 (B.3), Revised Edition 2018
	Dirt	SMR Bulletin No. 7 (B.2), Revised Edition 2018

SCOPE OF TESTING : MECHANICAL

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Raw, Dry Natural Rubber	Mooney Viscosity	SMR Bulletin No. 7 (B.7), Revised Edition 2018
	Rapid Plasticity and Plasticity Retention Index	SMR Bulletin No. 7 (B.6), Revised Edition 2018

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