


NO: SAMM 073

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LABORATORY LOCATION/ CENTRAL OFFICE:	TS Lab Sdn Bhd 2, Hujung Perusahaan 1 MIEL 5, Kawasan Perusahaan Prai 2 13600 Prai, Pulau Pinang , 13600, PULAU PINANG MALAYSIA
	
ACCREDITED SINCE :	18 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:	TS Lab Sdn Bhd 2, Hujung Perusahaan 1 MIEL 5, Kawasan Perusahaan Prai 2 13600 Prai, Pulau Pinang , 13600, Pulau Pinang
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 - Industrial Effluent - Sewage	pH	APHA 4500 H+B
	BOD 5	In-house Method TOM 3 based on APHA 5210B (D.O. Meter)
	Suspended Solid	APHA 2540D
	Mercury	APHA 3112 B Cold Vapour AAS
	COD	APHA 5220 D Closed reflux
	Oil & Grease	APHA 5520 B Partition Gravimetric method
	Free Chlorine	APHA 4500 Cl G
Environmental Monitoring - Industrial Effluent	Cadmium	APHA 3120 B, Inductively Coupled Plasma (ICP) Method
	Aluminium	APHA 3120 B, Inductively Coupled Plasma (ICP) Method

Schedule

Issue date: 18 March 2025
Valid Until: -



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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Lead	APHA 3120 B, Inductively Coupled Plasma (ICP) Method
	Copper	APHA 3120 B, Inductively Coupled Plasma (ICP) Method
	Manganese	APHA 3120 B, Inductively Coupled Plasma (ICP) Method
	Nickel	APHA 3120 B, Inductively Coupled Plasma (ICP) Method
	Zinc	APHA 3120 B, Inductively Coupled Plasma (ICP) Method
	Boron	APHA 3120 B, Inductively Coupled Plasma (ICP) Method
	Iron	APHA 3120 B, Inductively Coupled Plasma (ICP) Method
	Silver	APHA 3120 B, Inductively Coupled Plasma (ICP) Method
	Selenium	APHA 3120 B, Inductively Coupled Plasma (ICP) Method
	Barium	APHA 3120 B, Inductively Coupled Plasma (ICP) Method
	Chromium	APHA 3120 B, Inductively Coupled Plasma (ICP) Method
	Chromium hexavalent	APHA 3500 Cr B Colorimetric Method
	Sulphide	APHA 4500 S ²⁻ D, Methylene Blue Method
	Phenol	USEPA 420.1 Phenolics, Spectrophotometric
	Ammonium	APHA 4500-NH ₃ F Phenate Method
	ADMI Colour	APHA 2120 F ADMI Weighted-Ordinate Spectrophotometric method
	Formaldehyde	USEPA 8315A High Performance Liquid Chromatography (HPLC)
	Arsenic	APHA 3120B, Inductively Coupled Plasma (ICP) method

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