

# Schedule

Issue date: 22 July 2019  
Valid until: 23 August 2022



MS ISO/IEC 17025

NO: SAMM 606

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**LABORATORY LOCATION:**  
(PERMANENT LABORATORY)



**PAC TESTING & CONSULTING SDN. BHD.**  
**15 & 15-01, JALAN SETIA TROPIKA 1/2**  
**TAMAN SETIA TROPIKA**  
**81200 JOHOR BAHRU**  
**JOHOR, MALAYSIA**

**FIELD 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).

**SCOPE OF TESTING: CHEMICAL**

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Environmental Monitoring • Effluents • Sewage Water	pH Value	APHA 4500-H <sup>+</sup> B
	Biochemical Oxygen Demand (BOD)	APHA 5210 B
	Chemical Oxygen Demand (COD)	APHA 5220 C
	Suspended Solids	APHA 2540 D
	Ammonia Nitrogen	APHA 4500-NH <sub>3</sub> B, C
	Free Chlorine	APHA 4500 Cl B
	Phenol	APHA 5530 B, D
	Sulphide as S <sup>2-</sup>	APHA 4500 S <sup>2-</sup> F
Total Cyanide	APHA 4500-CN <sup>-</sup> C, D	

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**SCOPE OF TESTING: CHEMICAL**

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Water <ul style="list-style-type: none"> <li>• Ground Water</li> <li>• Potable Water</li> <li>• Boiler Water</li> <li>• Drinking Water</li> </ul>	pH Value	APHA 4500-H <sup>+</sup> B
	Free Chlorine	APHA 4500 Cl B
	Phenol	APHA 5530 B, D

APHA Test Methods are based on 21st Edition (2005) &amp; 22nd Edition (2012)

**Signatories:**

- |    |                                |                               |
|----|--------------------------------|-------------------------------|
| 1. | <b>Pauzer Bin Ahmad</b>        | <b>IKM No. A/1443/2630/96</b> |
| 2. | <b>Shahirah Binti Zulfahri</b> | <b>IKM No. A/3387/6247/12</b> |
| 3. | <b>Azlina Binti Shafawi</b>    | <b>IKM No. A/1818/4168/01</b> |

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## SCOPE OF TESTING: CHEMICAL

### SITE: CATEGORY I

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Environmental Monitoring • Flue Gas	Determination of Concentration and Mass Flow of Particulate Matter in Flue Gas for Stationery Source Emissions	MS 1596: 2003
	Determination of Particulate Matter Emissions from Stationery Sources	EPA 40 CFR 60, App. A, Method – 5
	Determination of Sulfuric Acid and Sulfur Dioxide Emission from Stationery Sources	EPA 40 CFR 60, App. A, Method – 8
	Measurement of SO <sub>2</sub> , NO, NO <sub>2</sub> and CO using Gas Analyzer	In-house Method No.1 based on manufacturer's Measurement Procedures
Environmental Monitoring • Ambient Air	Determination of Total Suspended Particulate Matter in the Atmosphere	ASTM: D4096-91 (2003)
	Determination of Sulfur Dioxide Content in the Atmosphere	ASTM: D2914-01
	Determination of Nitrogen Dioxide Content of the Atmosphere	ASTM: D1607-91 (2000)
	Determination of Ammonia of the Atmosphere (Indophenol Method)	ISC Method 401
	Determination of Formaldehyde Content of the Atmosphere (Colorimetric Method)	ISC Method 116
	Determination of Free Chlorine Content of the Atmosphere (Methyl Orange Method)	ISC Method 202
	Determination of Oxidizing Substances in the Atmosphere	ISC Method 411
Environmental Monitoring • Noise	Acoustics Description, Measurement and Assessment of Environmental Noise	ISO 1996-1:2003

Note:

ISC means Intersociety Committee methods of air sampling and analysis, 3<sup>rd</sup> Edition

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| 2. Azlina Binti Shafawi    | IKM No. A/1818/4168/01 |
| 3. Shahirah Binti Zulfahri | IKM No. A/3387/6247/12 |

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