


# Schedule

Issue date: 21 August 2025  
Valid Until: -



NO: SAMM 1196

Page: 1 of 3

<b>LABORATORY LOCATION/ CENTRAL OFFICE:</b>	FORENSIC SERVICES (M) SDN. BHD. 12A, JALAN MESRA 55000 KUALA LUMPUR MALAYSIA , 55000, WILAYAH PERSEKUTUAN KUALA LUMPUR MALAYSIA
	
<b>ACCREDITED SINCE :</b>	21 AUGUST 2025
<b>FIELD(S) OF TESTING:</b>	FORENSIC SCIENCE 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).

<b>CENTRAL LOCATION:</b>	FORENSIC SERVICES (M) SDN. BHD. 12A, JALAN MESRA 55000 KUALA LUMPUR MALAYSIA , 55000, Wilayah Persekutuan Kuala Lumpur
<b>FIELD(S) OF TESTING :</b>	FORENSIC SCIENCE, MECHANICAL

## SCOPE OF TESTING : FORENSIC SCIENCE

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Fire Debris	Ignitable liquids (Gasoline, Petroleum distillates (including dearomatized), Isoparaffinic, Aromatic, Naphthenic-paraffinic, Normal alkane, Oxygenated solvents)	ASTM E 1412-19 Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Passive Headspace Concentration with Activated Charcoal  ASTM E 1618-19 Standard Test Method for Ignitable Liquid Residues in Extracts from Fire Debris samples by Gas Chromatography-Mass Spectrometry

NO: SAMM 1196

Page: 2 of 3

**SCOPE OF TESTING : MECHANICAL**

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
<b>Ferrous Materials</b> - Carbon Steels - Low Alloy Steels - Austenitic Stainless Steels	Metallography  1. Sample preparation <ul style="list-style-type: none"> <li>• Mounting, grinding and polishing</li> <li>• Etching</li> </ul>	ASTM E3-11 (Reapproved 2017) Standard Guide for Preparation of Metallographic Specimens  ASTM E407-23 Standard Practice for Microetching Metals and Alloys
	2. Microstructure examination (qualitative)  -ž Carbon and Low Alloy Steels <ul style="list-style-type: none"> <li>• Ferrite</li> <li>• Pearlite</li> <li>• Martensite</li> <li>• Pitting</li> <li>• Non-metallic</li> </ul> Inclusion <ul style="list-style-type: none"> <li>• Voids</li> <li>• Cracks</li> </ul>	American Society for Metals (ASM) Handbook Volume 9: Metallography and Microstructures; 9th Edition, 1989.  1. Pages 165 to 196
	-ž Austenitic Stainless Steel <ul style="list-style-type: none"> <li>• Austenite</li> <li>• Pitting</li> <li>• Non-metallic</li> </ul> Inclusion <ul style="list-style-type: none"> <li>• Voids</li> <li>• Cracks</li> <li>• Sensitization</li> <li>• Sigma Phase</li> </ul>	2. Pages 297 to 304
	-ž Copper and Copper Alloy <ul style="list-style-type: none"> <li>• Pitting</li> <li>• Non-metallic</li> </ul> Inclusion <ul style="list-style-type: none"> <li>• Voids</li> <li>• Cracks</li> </ul>	3. Pages 399 to 414

# Schedule

Issue date: 21 August 2025  
Valid Until: -



NO: SAMM 1196

Page: 3 of 3

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Non-ferrous Materials - Copper And Copper Alloy	Metallography	ASTM E3-11 (Reapproved 2017) Standard Guide for Preparation of Metallographic Specimens
	1. Sample preparation <ul style="list-style-type: none"> <li>Mounting, grinding and polishing</li> <li>Etching</li> </ul>	ASTM E407-23 Standard Practice for Microetching Metals and Alloys
	2. Microstructure examination (qualitative) <p>-ž Carbon and Low Alloy Steels</p> <ul style="list-style-type: none"> <li>Ferrite</li> <li>Pearlite</li> <li>Martensite</li> <li>Pitting</li> <li>Non-metallic</li> </ul> <p>Inclusion</p> <ul style="list-style-type: none"> <li>Voids</li> <li>Cracks</li> </ul>	American Society for Metals (ASM) Handbook Volume 9: Metallography and Microstructures; 9th Edition, 1989.  1. Pages 165 to 196
	-ž Austenitic Stainless Steel <p>Inclusion</p> <ul style="list-style-type: none"> <li>Austenite</li> <li>Pitting</li> <li>Non-metallic</li> <li>Voids</li> <li>Cracks</li> <li>Sensitization</li> <li>Sigma Phase</li> </ul>	2. Pages 297 to 304
	-ž Copper and Copper Alloy <p>Inclusion</p> <ul style="list-style-type: none"> <li>Pitting</li> <li>Non-metallic</li> <li>Voids</li> <li>Cracks</li> </ul>	3. Pages 399 to 414

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3006293> for the current scope of accreditation