Issue date: 13 October 2026
Valid until: 13 October 2031

NO: SAMM 1270

LABORATORY LOCATION/ CENTRAL OFFICE:	**PENANG BRANCH OFFICE (PBST),** **CONFORMITY ASSESSMENT DIVISION, SIRIM BERHAD.** **LOT PT 483 MUKIM 6,** **JALAN PERMATANG PAUH,** **13500 PERMATANG PAUH,** **SEBERANG PERAI,** **PULAU PINANG,** **MALAYSIA**
ACCREDITED SINCE:	**13 OCTOBER 2026**
FIELD(S) OF TESTING:	**ELECTRICAL, 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:	**PENANG BRANCH OFFICE (PBST),** **CONFORMITY ASSESSMENT DIVISION, SIRIM BERHAD.** **LOT PT 483 MUKIM 6,** **JALAN PERMATANG PAUH,** **13500 PERMATANG PAUH,** **SEBERANG PERAI,** **PULAU PINANG,** **MALAYSIA**
FIELD(S) OF TESTING:	**ELECTRICAL, MECHANICAL**

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SCOPE OF TESTING: ELECTRICAL

Materials/ Products Tested	**Type of Test/ Properties Measured/ Range of Measurement**	**Standard Test Methods/ Equipment/Techniques**
1. Electric Fans (Safety)	* Full Type Test (The ambient temperature: 25 ± 5 °C)	MS 1597-2-80:2010 MS 1597-2-80:2019 MS IEC 60335-1: 2015 MS IEC 60335-1: 2013 MS IEC 60335-1: 2005 IEC 60335-2-80, Ed. 2.0: 2002 + A1: 2004 + A2: 2008 IEC 60335-2-80 (Ed. 3.0): 2015 IEC 60335-1: 2010 IEC 60335-1 (Ed. 4.0): 2001 + A1: 2004 + A2: 2006 IEC 60335-1 (Ed. 5.0): 2010 + A1: 2013 + A2: 2016 (Except Clause 22.57) IEC 60335-1 (Ed. 4.0): 2001 + A1: 2004

SCOPE OF TESTING: ELECTRICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
2. Specification for performance and construction of electric fans and regulators (Performance)	Full Type Test (Except Ceiling Type Fans)	MS 1220:2010
3. Fixed General Purpose Luminaires	Full Type Test (Test for ingress available up to IP44)	MS IEC 60598-2-1: 1997 MS IEC 60598-2-1: 1997 (Confirmed 2015) MS IEC 60598-1: 2012 MS IEC 60598-1: 2021 (Except Clause 9.2.10 and Clause 9.2.11 MS IEC 60598-1: 2006 IEC 60598-2-1 (ed 1.0): 1979 + A1: 1987 IEC 60598-2-1 (Ed. 2.0): 2020 IEC 60598-1 (ed. 7.0): 2008 IEC 60598-1 (Ed. 9.0): 2020 (Except Clause 9.2.10 and Clause 9.2.11) IEC 60598-1: 2003
4. Recessed Luminaires	Full Type Test (Test for ingress available up to IP44)	MS IEC 60598-2-2: 1998 MS IEC 60598-2-2: 2019 MS IEC 60598-1: 2012 MS IEC 60598-1: 2021 (Except Clause 9.2.10 and Clause 9.2.11 MS IEC 60598-1: 2006 IEC 60598-2-2 (Ed. 2.1): 1997 IEC 60598-2-2 (Ed. 3.0): 2011 IEC 60598-1 (ed. 7.0): 2008 IEC 60598-1 (Ed. 9.0): 2020 (Except Clause 9.2.10 and Clause 9.2.11) IEC 60598-1: 2003
5. Appliances for heating liquids (including cordless)	Full Type test	MS IEC 60335-2-15: 2004 MS IEC 60335-1: 2015 MS IEC 60335-1: 2013 MS IEC 60335-1: 2005 IEC 60335-2-15 (ed. 5.0): 2002 + A1: 2005 IEC 60335-2-15 (Ed. 6.0): 2012 + A1: 2016 IEC 60335-1: 2010 IEC 60335-1 (Ed. 4.0): 2001 + A1: 2004 + A2: 2006 IEC 60335-1 (Ed. 5.0): 2010 + A1: 2013 + A2: 2016 (Except Clause 22.57) IEC 60335-1 (Ed. 4.0): 2001 + A1: 2004

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SCOPE OF TESTING: ELECTRICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
6. Electric irons.	Full Type test	MS IEC 60335-2-3: 2006 MS IEC 60335-1:2015 MS IEC 60335-1: 2013 MS IEC 60335-1: 2005 IEC 60335-1: 2010 IEC 60335-2-3 (Ed. 5.0): 2002 + A1: 2004 + A2:2006 IEC 60335-2-3 (Ed. 6.0): 2012 + A1: 2015 IEC 60335-1 (Ed. 4.0): 2001 + A1: 2004 + A2: 2006 IEC 60335-1 (Ed. 5.0): 2010 + A1: 2013 + A2: 2016 (Except Clause 22.57)
7. Vacuum cleaner water suction cleaning appliances	Full Type Test	MS IEC 60335-2-2: 2006 MS IEC 60335-2-2: 2017 MS IEC 60335-1:2015 MS IEC 60335-1: 2013 MS IEC 60335-1: 2005 IEC 60335-2-2 (Ed. 5.0): 2002 + A1: 2004 + A2: 2006 IEC 60335-2-2: 2019 IEC 60335-1: 2010 IEC 60335-1 (Ed. 4.0): 2001 + A1: 2004 + A2: 2006 IEC 60335-1 (Ed. 5.0): 2010 + A1: 2013 + A2: 2016 (Except Clause 22.57) IEC 60335-1 (Ed. 4.0): 2001 + A1: 2004
8. Kitchen machines	Full Type Test (Except Clause 3.1.9.113)	MS IEC 60335-2-14: 2014 MS IEC 60335-2-14: 2003 MS IEC 60335-1:2015 MS IEC 60335-1: 2013 MS IEC 60335-1: 2005 IEC 60335-1 (Ed. 5.0): 2010 + A1: 2013 + A2: 2016 (Except Clause 22.57) IEC 60335-2-14 (Ed. 5.0): 2006 + A1: 2008 IEC 60335-2-14: 2016 + AMD1: 2019 IEC 60335-2-14 (Ed. 4.0): 2001 + A1: 2004 + A2: 2006 IEC 60335-1: 2010 IEC 60335-1 (Ed. 4.0): 2001 + A1: 2004 + A2: 2006 IEC 60335-1 (Ed. 5.0): 2010 + A1: 2013 + A2: 2016 (Except Clause 22.57) IEC 60335-1 (Ed. 4.0): 2001 + A1: 2004

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SCOPE OF TESTING: ELECTRICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
9. Electric Hair Dryer	Full Type Test	MS IEC 60335-2-23: 2007 MS IEC 60335-2-23: 2017 MS IEC 60335-1:2015 MS IEC 60335-1: 2013 MS IEC 60335-1: 2005 IEC 60335-2-23 (Ed. 5.0): 2003 + A1: 2008 IEC 60335-2-23: 2016 + A1: 2019 IEC 60335-1: 2010 IEC 60335-1 (Ed. 4.0): 2001 + A1: 2004 + A2: 2006 IEC 60335-1 (Ed. 5.0): 2010 + A1: 2013 + A2: 2016 (Except Clause 22.57) IEC 60335-1 (Ed. 4.0): 2001 + A1: 2004
10. Electric Oven, Toasters, Grills, Roasters	Full Type Test	MS IEC 60335-2-9: 2014 MS IEC 60335-2-9: 2006 MS IEC 60335-1:2015 MS IEC 60335-1: 2013 MS IEC 60335-1: 2005 IEC 60335-2-9 (Ed. 6.0): 2008 IEC 60335-2-9 (Ed. 5.0) 2002 + A1: 2004 + A2: 2006 IEC 60335-1: 2010 IEC 60335-1 (Ed. 4.0): 2001 + A1: 2004 + A2: 2006 IEC 60335-1 (Ed. 5.0): 2010 + A1: 2013 + A2: 2016 (Except Clause 22.57) IEC 60335-1 (Ed. 4.0): 2001 + A1: 2004
11. Washing Machine	Full Type Test	MS IEC 60335-2-7: 2007 MS IEC 60335-2-4:2007 MS IEC 60335-1:2015 MS IEC 60335-1:2013 MS IEC 60335-1:2005 IEC 60335-2-7 (Ed. 6.0): 2002 + A1: 2004 + A2: 2006 IEC 60335-2-7 (Ed. 7.0): 2008 + A1: 2011 + A2: 2016 IEC 60335-2-4 (Ed. 5.0): 2002 + A1: 2004 + A2: 2006 IEC 60335-1: 2010 IEC 60335-1 (Ed. 4.0): 2001 + A1: 2004 + A2: 2006 IEC 60335-1 (Ed. 5.0): 2010 + A1: 2013 + A2: 2016 (Except Clause 22.57) IEC 60335-1 (Ed. 4.0): 2001 + A1: 2004

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SCOPE OF TESTING: ELECTRICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
12. LED Modules for General Lighting – Safety Specification	Full Type Test	MS IEC 62031: 2011 IEC 62031 (Ed. 1.0): 2008 IEC 62031: 2018 / MS IEC 62031: 2021
13. Luminaires for Road and Street Lighting	Full Type Test (Tests for ingress available up to IP44) (Except Clause 3.6.3 and 3.6.3.1 of MS IEC 60598-2-3:2006)	MS IEC 60598-1: 2012 MS IEC 60598-1: 2021 (Except Clause 9.2.10 and Clause 9.2.11 MS IEC 60598-1: 2006 MS IEC 60598-2-3: 2006 IEC 60598-2-3 (Ed. 3.0): 2002 IEC 60598-2-3 (Ed. 3.1): 2011 & MS IEC 60598-2-3: 2019 IEC 60598-1 (Ed. 7.0): 2008 IEC 60598-1 (Ed. 9.0): 2020 (Except Clause 9.2.10 and Clause 9.2.11) IEC 60598-1:2003
14. Double-capped LED Lamps designed to retrofit linear fluorescent lamps	Full Type Test (Except Clause 16)	MS IEC 62776:2017 IEC 62776 (ed1.0):2014
15. Single capped self-ballasted LED Lamp for general lighting services by voltage > 50V	Full Type Test	MS IEC 62560: 2012 IEC 62560 (ed1.0): 2011 IEC 62560: 2011 + AMD 1: 2015 Except Clause 17 MS IEC 62560: 2021 Except Clause 17
16. Lamp controlgear – electronic controlgear for LED modules	Full Type Test	MS IEC 61347-1: 2012 MS IEC 61347-2-13: 2012 IEC 61347-1 (ed2.0):2007+A1:2010 IEC 61347-2-13: 2006
17. Electric Rice cooker for House-hold use - method of Measuring the performance	Full Type Test	MS 2024:2020

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SCOPE OF TESTING: MECHANICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Metal and metals products 1. Metallic Materials/ Steel Products	Tensile strength Yield Strength Percentage elongation after fracture at ambient temperature	ASTM A370:2026 Clause 7 to 14 JIS Z 2241: 2022 MS ISO 6892-1:2017
2. Metallic Materials Products	Rockwell Hardness A, B, C	ASTM E 18: 2024 ASTM A 370: 2026 Clause 18 MS ISO 6508-1: 2017
Metallurgical 3. Metal Products - carbon & low alloy	Elementary Analysis Arc Spark Spectrometry	ASTM E415: 2021
4. Metals Products - stainless steel - aluminium	Elementary Analysis Arc Spark Spectrometry	ASTM E 1086: 2022 ASTM E 1251: 2024
5. Aluminium and Aluminium Alloys – Sheets and Coiled Sheets	Full Type Test - Marking and Certification Mark - Visual Inspection - Dimension and tolerances thereon - Tensile Test - Bending Test - Chemical Composition Test	MS 2040: 2017

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SCOPE OF TESTING: MECHANICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
6. Cold reduced Mild Steel Wire	Chemical Composition	MS 144:2014 Clause 7.1 ASTM E 415: 2021
	Tensile Test - Upper yield strength - Tensile Strength - Total Elongation at Maximum Force	MS 144:2014 Clause 7.2 MS ISO 15630-1-2012 MS ISO 6892-1 2017(Method A)
	Rebend Test	MS 144:2014 Clause 7.2.4
	Dimensions, Mass Per Meter & Tolerance	MS 144: 2014 Clause 7.3
7. Steel Bar for the reinforcement of concrete	Chemical Composition	MS 146:2014 Clause 7.1 ASTM E 415: 2021
	Dimensions, Mass Per Meter & Tolerances	MS 146:2014 Clause 7.4
	Tensile Test - Upper yield strength - Tensile Strength - Total Elongation at Maximum Force	MS 146:2014 Clause 7.3.3 MS ISO 15630-1:2012 MS ISO 6892-1:2017
	Bending Performance Test	MS 146: 2014 Clause 7.3.5

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