

NO: SAMM 875

Page: 1 of 3

LABORATORY LOCATION/ CENTRAL OFFICE: 	Advanced Materials Testing Laboratory, SIRIM Industrial Research, SIRIM Berhad Lot 34, Jalan Hi-Tech 2/3 Kulim Hi-Tech Park 09000 Kulim, Kedah , 9000, KEDAH MALAYSIA
ACCREDITED SINCE :	06 APRIL 2025
FIELD(S) OF TESTING:	CHEMICAL MECHANICAL MICROBIOLOGICAL THERMAL

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:	Advanced Materials Testing Laboratory, SIRIM Industrial Research, SIRIM Berhad Lot 34, Jalan Hi-Tech 2/3 Kulim Hi-Tech Park 09000 Kulim, Kedah , 9000, Kedah
FIELD(S) OF TESTING :	CHEMICAL, MECHANICAL, MICROBIOLOGICAL, THERMAL

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Ceramic Polymer Metal	Morphology: Elemental analysis	ISO 22309:2011
	Morphology and Particle Size	ASTM F1877-98:2003
	Topography: 3-dimentional	ASTM E2859-11:2011
Functional Group	Spectrum	ASTM E573-01
Liquid	General techniques of ultraviolet	ASTM E169-16
	None	None
Metallic Angled Orthopaedic Fracture Fixation Devices	Compression	ASTM F384-17
	Fatigue	ASTM F384-12
Plastic Polymers	Qualitative measurement of IR	ASTM E1252-98

NO: SAMM 875

Page: 2 of 3

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Polymer*	Standard Test Method for	ASTM D5296-19
Spinal Implants Constructs	Fatigue	ASTM F1717-15

SCOPE OF TESTING : MECHANICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Metallic Bone Plates	Fatigue	ASTM F382-17
Metallic Bone Plates	Bending	ASTM F382-17
Metallic Materials	Tension	ASTM E8/E8M-16a
	Tensile properties	MS ISO 15630-1:2012
	Microindentation Vickers	ASTM E384-17
	Determination of Tensile	BS EN ISO 6892-1: 2016
	Tensile Testing	E8/E8M-2021
	Metallographic Test i) Sample preparation	ASTM E3-11 (2017)
	None	ASTM E3-11 (2017)
	Tensile test at ambient	ASTM A370-21
	Tensile test at ambient	ASTM A370-21
	Tensile Testing	E8/E8M-2021
	Tensile test at ambient temperature	ASTM A370-2020 ASTM E8-2016
	None	JIS Z2248:2006
	None	None
	Metallography	None
	None	In house developed procedure
	Bend Test	ISO 7438: 2016
	Tensile Test Force Range: 0 to 1000 kN	ISO 6892-1: 2019 Excluding site sampling
	Elemental Analysis	ASTM E1251: 17a
Metallic Medical Bone Screws	Pulling	ASTM F543-17
Spinal Implant Constructs	Bending	ASTM F1717-15

SCOPE OF TESTING : MICROBIOLOGICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Medical Device Product	Sterility Test	1S011737-2: 2019, Sterility Test-

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 875

Page: 3 of 3

SCOPE OF TESTING : THERMAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Solid Materials	Glass Transition Temperature	ASTM E1356-08 (2014)

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3004217> for the current scope of accreditation