 <i>Your Business Partner</i>	MITSUDELL SOLUTIONS SDN BHD	DOC. NO.	MD-LQM
	LABORATORY QUALITY MANUAL	REV. NO.	00
	APPENDIX 3. INTRODUCTION AND SCOPE	EFF. DATE	01/03/19
		PAGE NO.	1 of 3

1.0 INTRODUCTION

MITSUDELL SOLUTIONS SDN. BHD
18-3-15 & 18-3-17, Gembira Parade,
Lorong Delima 1, Greenlane,
11600, Penang, Malaysia.
Tel: 04 -6589 369 Fax: 04 -6588 767
Website: www.mitsudell.com

Company Registration No. 1221836-H

Company Background: Incorporated on 13th March 2017

2.0 SCOPE OF ACCREDITATION

MD is seeking the certification of ISO/IEC 17025 under Skim Akreditasi Makmal Malaysia (SAMM) with the scope as below:


FIELD OF TESTING: DIMENSIONAL MEASUREMENTS

SCOPE OF ACCREDITATION:

Instrument Calibrated/ Measurement parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty(\pm)*	Remarks	WI
Barrel - Bore Diameter	Up to 10 mm	0.0028mm	ASTM D5099, D1238, D3835 with borescope	WI-010
Orifice - Length	(0.254 to 3.175) mm Up to 25 mm	0.0021mm	ASTM D1238, D3835, D5099 with pin gage and micrometer	WI-004
Piston Tip - Diameter Length	Up to 12.7 mm Up to 19 mm	0.0023 mm 0.0025 mm	ASTM D1238, D3835 with micrometers	WI-003 WI-002

Signatories:

1. GOH WOUI TIONG
2. LEE ENG LYE

	MITSUDELL SOLUTIONS SDN BHD	DOC. NO.	MD-LQM
	LABORATORY QUALITY MANUAL	REV. NO.	00
	APPENDIX 3. INTRODUCTION AND SCOPE	EFF. DATE	01/03/19
		PAGE NO.	2 of 3


FIELD OF TESTING: MASS AND MASS-RELATED QUANTITIES MEASUREMENTS

SCOPE OF ACCREDITATION:

Instrument Calibrated/ Measurement parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty(\pm)*	Remarks	WI
Weight Block - Mass	Up to 30 kg	0.0012 kg	ASTM D1238, NIST HB 105-1, single substitution	WI-007
Piston Assembly - Mass	Up to 30 kg	0.0012 kg	ASTM D1238, NIST HB 105-1, single substitution	WI-003

Signatories:

1. GOH WOUI TIONG
2. LEE ENG LYE

	MITSUDELL SOLUTIONS SDN BHD	DOC. NO.	MD-LQM
	LABORATORY QUALITY MANUAL	REV. NO.	00
	APPENDIX 3. INTRODUCTION AND SCOPE	EFF. DATE	01/03/19
		PAGE NO.	3 of 3

FIELD OF TESTING: **HEAT AND TEMPERATURE MEASUREMENTS**

SCOPE OF ACCREDITATION:

Instrument Calibrated/ Measurement parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty(\pm)*	Remarks	WI
Barrel - Barrel Temperature	100°C to 500°C	0.6130 °C 1.9041 °C	ASTM D1238, D3835, with digital thermometer	WI-006 WI-012

Signatories:

1. GOH WOUI TIONG
2. LEE ENG LYE

3.0 EXCLUSION

Clause 7.3 Sampling

Justification: No sampling activity in MD process.