

# Schedule

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Certificate No. : LA-2010-0475-C

Issue No. : 6

Date : 28 Dec 2017

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FIELD OF TESTING : Calibration and Measurement

MEASURED QUANTITIES/ INSTRUMENTS CALIBRATED/ RANGE OF MEASUREMENT	METHOD	CALIBRATION & MEASUREMENT CAPABILITY (CMC *)
<b>A. TEMPERATURE</b>		
1. Temperature Enclosure (site) (Furnace, Oven, Incubators, Freezer, Autoclaves, Sterilizers Fridge, Water Bath) -80 °C to 250 °C 250 °C to 300 °C 300 °C to 400 °C 400 °C to 600 °C 600 °C to 800 °C 800 °C to 1 000 °C 1 000 °C to 1 200 °C	In-House Methods ZGTP 01, Version 7 (12 Apr 2017)	0.7 °C 1.5 °C 1.6 °C 1.5 °C 1.9 °C 2.0 °C 3.3 °C
2. Temperature Indicator/controller by Simulation (site/in-house)  Type K -100 °C to 1 200 °C  Type T -80 °C to 250 °C	In-House Method ZGTP 02, Version 5 (23 Oct 2016)	0.5 °C  0.4 °C

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<p>3 Humidity/Climatic/Environmental Chambers</p> <p>5 °C @ 10 % relative humidity 5 °C @ 98 % relative humidity 36 °C @ 98 % relative humidity 90 °C @ 10 % relative humidity 90 °C @ 98 % relative humidity</p> <p>5 °C to 70 °C (10 to 98) % relative humidity</p>	<p>In-House Method ZGTP 03, Version 4 (12 Apr 2017)</p>	<p>2.5 % relative humidity 5.0 % relative humidity 4.6 % relative humidity 0.3 % relative humidity 2.9 % relative humidity</p> <p>0.8 °C (2.5 to 5.0) % relative humidity</p>
<p>4 Temperature Indicator/display</p> <p>a. With sensor/probe</p> <p>-20 °C &gt; -20 °C to 50 °C &gt;50 °C to 100 °C &gt;100 °C to 150 °C &gt;150 °C to 175 °C &gt;175 °C to 250 °C &gt;250 °C to 375 °C &gt;375 °C to 500 °C</p> <p>b. With Thermocouple sensor/probe</p> <p>-20 °C &gt; -20 °C to 50 °C &gt;50 °C to 100 °C &gt;100 °C to 150 °C &gt;150 °C to 175 °C &gt;175 °C to 250 °C &gt;250 °C to 375 °C &gt;375 °C to 500 °C</p>	<p>In-House Method ZGTP 05, Version 1 (30 Nov 2016)</p>	<p>0.15 °C 0.23 °C 0.32 °C 0.70 °C 0.74 °C 0.88 °C 1.3 °C 1.6 °C</p> <p>0.15 °C 0.25 °C 0.37 °C 0.74 °C 0.80 °C 0.98 °C 1.5 °C 1.8 °C</p>

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<b>B. MECHANICAL</b>		
1 Electronic Balance/Weighing Scale	In-House Method	
1 mg to 5 mg	ZGTP 04, Version 3 (25 Oct 2013)	0.011 mg
>5 mg to 10 mg		0.012 mg
>10 mg to 100 mg		0.019 mg
>100 mg to 200 mg		0.022 mg
>200 mg to 500 mg		0.028 mg
>500 mg to 1 g		0.034 mg
>1 g to 2 g		0.041 mg
>2 g to 5 g		0.054 mg
>5 g to 10 g		0.06 mg
>10 g to 20 g		0.08 mg
>20 g to 50 g		0.10 mg
>50 g to 100 g		0.16 mg
>100 g to 120 g		0.24 mg
>120 g to 150 g		0.26 mg
>150 g to 200 g		0.30 mg
>200 g to 220 g		0.38 mg
>220 g to 250 g		0.4 mg
>250 g to 300 g		0.5 mg
>300 g to 400 g		0.6 mg
>400 g to 405 g		0.7 mg
>405 g to 700 g		0.001 g
>700 g to 1 000 g		0.002 g
>1 000 g to 6 200 g		0.01 g
>6 200 g to 10 kg		0.05 g
>10 kg to 35 kg		0.1 g

\* CMC is expressed as an expanded uncertainty estimated at a level of confidence of approximately 95 %.

Approved signatory :

Mr Zack Neo Tiau Hon

Note :

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. A laboratory's fulfilment 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 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.