

# Schedule of Accreditation



Organisation Name	Laboratory Supplies Ltd
Trading As	Lennox Laboratory Supplies, Technical Services & Calibration Department.
INAB Reg No	378C
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Accreditation Standard	ISO 17025 C
Date of award of accreditation	30/01/2019
Scope Classification	Metrology
Services available to the public <sup>1</sup>	Yes

<sup>1</sup> Refer to document on interpreting INAB Scopes of Accreditation

Sites from which accredited services are delivered		
(the detail of the accredited services delivered at each site are on the Scope of Accreditation)		
	Name	Address
1	Head Office	John F. Kennedy Drive, Naas Road, Dublin 12, Dublin

# Scope of Accreditation

## Head Office

### Metrology

Category: A

Metrology field - Calibrated Device Type	Measured quantity	Calibration range	Calibration and measurement capability (CMC)	Std. ref/SOP	Products	Remarks
107 Temperature measuring equipment - .09 Digital temperature indicator systems	Digital temperature indicator systems	+180 °C to +200 °C -40 °C to +180 °C	0.120 °C 0.029 °C	Documented in house procedure TS.SOP.011.CPM003 Thermometer Calibration	Temperature mapping	Direct measurement of dry Blocks/Baths with suitable immersion depth, Including the calibration of Dry Block Calibrators.

*Calibration Measurement Capability (CMC) is expressed in terms of the following parameters:*

- Measurand or reference material*
- Calibration or measurement method or procedure and type of instrument or material calibrated/measured*
- Measurement range and additional parameters where applicable*
- Measurement uncertainty.*

*Measurement uncertainty shall be reported in compliance with EA 4/02 "Evaluation of the Uncertainty of Measurement in Calibration".*

*In accordance with INAB policy, uncertainties are calculated for an estimated confidence level of not less than 95%.*

Metrology

Category: B

Metrology field - Calibrated Device Type	Measured quantity	Calibration range	Calibration and measurement capability (CMC)	Std. ref/SOP	Products	Remarks
101 Mass - .01 Precision laboratory balances	Precision laboratory balances	0.001 g to 0.50 g 0.50 g to 5.1 g 5.1 g to 45 g 45 g to 120 g 120 g to 220 g 220 g to 320 g	0.000070 g 0.000021 g 0.000088 g 0.00017 g 0.00029 g 0.00046 g	Documented in house TS.SOP.009.CPM001 Balance Calibration. Class E2.		
101 Mass - .02 Industrial balances	Industrial balances	320 g to 520 g 520 g to 1500 g 1500 g to 6100 g	0.00071 g 0.0027 g 0.021 g	Documented in house TS.SOP.009.CPM001 Balance Calibration. Class E2		
		6100 g to 14200 g 14200 g to 32100 g 32100 g to 50000 g 50000 g to 64100 g 64100 g to 70000 g	0.038 g 0.21 g 0.47 g 0.61 g 1.4 g	Documented in house TS.SOP.009.CPM001 Balance Calibration. Combined Class E2 / F1 / M1		
108 Temperature controlled enclosures - .01 Ovens, furnaces, baths	Ovens, Furnaces and baths	-40 °C to +200 °C -40 °C to +200 °C	0.16 °C (Pt-100) 0.27 °C (Thermocouples)	Single and Multi-point calibration using in-house procedure TS.SOP.010.CPM002 Temperature Enclosures Calibration. Various temperature enclosures	Temperature mapping	Direct measurement of dry Blocks/Baths with suitable immersion depth, Including the calibration of Dry Block Calibrators.
108 Temperature controlled enclosures - .02 Incubators	Incubators	-40 °C to +200 °C -40 °C to +200 °C	0.16 °C (Pt-100) 0.27 °C (Thermocouples)	Single and Multi-point calibration using in-house procedure TS.SOP.010.CPM002 Temperature Enclosures Calibration. Temperature mapping.	Temperature mapping	Direct measurement of dry Blocks/Baths with suitable immersion depth, Including the calibration of Dry Block Calibrators.

108 Temperature controlled enclosures - .03 Autoclaves and sterilising ovens	Autoclaves and sterilising ovens	-40 °C to +200 °C -40 °C to +200 °C	0.16 °C (Pt-100) 0.27 °C (Thermocouples)	Single and Multi-point calibration using in-house procedure TS.SOP.010.CPM002 Temperature Enclosures Calibration Various temperature enclosures	Temperature mapping	Direct measurement of dry Blocks/Baths with suitable immersion depth, Including the calibration of Dry Block Calibrators.
108 Temperature controlled enclosures - .04 Industrial freezers	Industrial freezers	-40 °C to +200 °C -40 °C to +200 °C	0.16 °C (Pt-100) 0.27 °C (Thermocouples)	Single and Multi-point calibration using in-house procedure TS.SOP.010.CPM002 Temperature Enclosures Calibration. Temperature mapping.	Temperature mapping	Direct measurement of dry Blocks/Baths with suitable immersion depth, Including the calibration of Dry Block Calibrators.
108 Temperature controlled enclosures - .99 Other	testing of temperature controlled enclosures	-40 °C to +200 °C -40 °C to +200 °C	0.16 °C (Pt-100) 0.27 °C (Thermocouples)	Single and Multi-point calibration using in-house procedure TS.SOP.010.CPM002 Temperature Enclosures Calibration Various temperature enclosures.	Temperature mapping	Direct measurement of dry Blocks/Baths with suitable immersion depth, Including the calibration of Dry Block Calibrators.
108 Temperature controlled enclosures - 0.05 Fridges	Fridges	-40 °C to +200 °C -40 °C to +200 °C	0.16 °C (Pt-100) 0.27 °C (Thermocouples)	Single and Multi-point calibration using in-house procedure TS.SOP.010.CPM002 Temperature Enclosures Calibration. Temperature mapping.	Temperature mapping	Direct measurement of dry Blocks/Baths with suitable immersion depth, Including the calibration of Dry Block Calibrators.

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- Measurand or reference material*
- Calibration or measurement method or procedure and type of instrument or material calibrated/measured*
- Measurement range and additional parameters where applicable*
- Measurement uncertainty.*

*Measurement uncertainty shall be reported in compliance with EA 4/02 "Evaluation of the Uncertainty of Measurement in Calibration".*

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