

Schedule of Accreditation



Organisation Name	Medical Supply Co Ltd
Trading As	Medical Supply Company
INAB Reg No	262C
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Accreditation Standard	EN ISO/IEC 17025 C
Standard Version	2017
Date of award of accreditation	01/06/2010
Scope Classification	Metrology
Services available to the public ¹	Yes

¹ 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	Damastown, Mulhuddart, Dublin, D15

Scope of Accreditation

Head Office

Metrology

Category: A

Metrology field - Calibrated Device Type	Measured quantity	Calibration range	Expanded Measurement Uncertainty	Std. ref/SOP	Products	Remarks
107 Temperature measuring equipment - .09 Digital temperature indicator systems	0°C to 100°C	0°C to 100°C	0.07°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	Resistance thermistors	Single and Multi-point Calibration of temperature sensors
	0°C to 140°C	0°C to 140°C	0.19°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	T-Type Thermocouples K - Type Thermocouples	Single and Multi-point Calibration of temperature sensors
	0°C to 85°C	0°C to 85°C	0.11°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	Thermobuttons Min / Max Sensors	Single and Multi-point Calibration of temperature sensors
	100°C to 125°C	100°C to 125°C	0.06°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	Resistance thermistors	Single and Multi-point Calibration of temperature sensors
	-20 °C to 5 C	-20 °C to 5 C	0.229	SOP# 18, SOP# 23, SOP#31, SOP# 34	PT1000 - Resistance Temperature Detectors	Single and multipoint calibration of temperature sensors.
	-20°C to 0°C	-20°C to 0°C	0.09°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	Resistance thermistors	Single and Multi-point Calibration of temperature sensors

			0.13°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	Thermobuttons Min / Max Sensors	Single and Multi-point Calibration of temperature sensors
			0.17°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	T-Type Thermocouples K - Type Thermocouples	Single and Multi-point Calibration of temperature sensors
	37 °C to 60 °C	37 °C to 60 °C	0.087	SOP# 18, SOP# 23, SOP#31, SOP# 34	PT1000 - Resistance Temperature Detectors	Single and multipoint calibration of temperature sensors.
	-40 °C to -20 °C	-40 °C to -20 °C	0.311	SOP# 18, SOP# 23, SOP#31, SOP# 34	PT1000 - Resistance Temperature Detectors	Single and multipoint calibration of temperature sensors.
	-40°C to -20°C	-40°C to -20°C	0.19°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	T-Type Thermocouples K - Type Thermocouples	Single and Multi-point Calibration of temperature sensors
	5 °C to 37 °C	5 °C to 37 °C	0.158	SOP# 18, SOP# 23, SOP#31, SOP# 34	PT1000 - Resistance Temperature Detectors	Single and multipoint calibration of temperature sensors.
	-90 °C to -40 °C	-90 °C to -40 °C	.46	SOP# 18, SOP# 23, SOP#31, SOP# 34	PT1000 - Resistance Temperature Detectors	Single and multipoint calibration of temperature sensors.
	-90°C to -40°C	-90°C to -40°C	0.26°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	T-Type Thermocouples K - Type Thermocouples	Single and Multi-point Calibration of temperature sensors
108 Temperature controlled enclosures - .01 Ovens, furnaces, baths	0°C to 140°C	0°C to 140°C	0.7°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
	0°C to 75°C	0°C to 75°C	0.3°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled

						enclosures using thermistors
	-20°C to 0°C	-20°C to 0°C	0.5°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
	30°C to 75°C	30°C to 75°C	0.2°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	75°C to 100°C	75°C to 100°C	0.4°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	-90°C to -20°C	-90°C to -20°C	0.7°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various freezers from -90°C to -20°C	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
108 Temperature controlled enclosures - .02 Incubators	0°C to 140°C	0°C to 140°C	0.7°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
	0°C to 75°C	0°C to 75°C	0.3°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of

						temperature controlled enclosures using thermistors
	-20°C to 0°C	-20°C to 0°C	0.5°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
	30°C to 75°C	30°C to 75°C	0.2°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	75°C to 100°C	75°C to 100°C	0.4°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	-90°C to -20°C	-90°C to -20°C	0.7°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various freezers from -90°C to -20°C	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
108 Temperature controlled enclosures - .03 Autoclaves and sterilising ovens	0°C to 140°C	0°C to 140°C	0.7°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers

	0°C to 75°C	0°C to 75°C	0.3°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	-20°C to 0°C	-20°C to 0°C	0.5°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
	30°C to 75°C	30°C to 75°C	0.2°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	75°C to 100°C	75°C to 100°C	0.4°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	-90°C to -20°C	-90°C to -20°C	0.7°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various freezers from -90°C to -20°C	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
108 Temperature controlled enclosures - .04 Industrial freezers	0°C to 140°C	0°C to 140°C	0.7°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers

	0°C to 75°C	0°C to 75°C	0.3°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	-20°C to 0°C	-20°C to 0°C	0.5°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
	30°C to 75°C	30°C to 75°C	0.2°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	75°C to 100°C	75°C to 100°C	0.4°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	-90°C to -20°C	-90°C to -20°C	0.7°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various freezers from -90°C to -20°C	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers

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%

Category: B

Metrology field - Calibrated Device Type	Measured quantity	Calibration range	Expanded Measurement Uncertainty	Std. ref/SOP	Products	Remarks
107 Temperature measuring equipment - .09 Digital temperature indicator systems	0°C to 100°C	0°C to 100°C	0.07°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	Resistance thermistors	Single and Multi-point Calibration of temperature sensors
	0°C to 140°C	0°C to 140°C	0.19°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	T-Type Thermocouples K - Type Thermocouples	Single and Multi-point Calibration of temperature sensors
	0°C to 85°C	0°C to 85°C	0.11°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	Thermobuttons Min / Max Sensors	Single and Multi-point Calibration of temperature sensors
	100°C to 125°C	100°C to 125°C	0.09°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	Resistance thermistors	Single and Multi-point Calibration of temperature sensors
	-20°C to 0°C	-20°C to 0°C	0.09°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	Resistance thermistors	Single and Multi-point Calibration of temperature sensors
			0.13°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	Thermobuttons Min / Max Sensors	Single and Multi-point Calibration of temperature sensors
			0.17°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	T-Type Thermocouples K - Type Thermocouples	Single and Multi-point Calibration of temperature sensors
	-40°C to -20°C	-40°C to -20°C	0.19°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	T-Type Thermocouples K - Type Thermocouples	Single and Multi-point Calibration of temperature sensors

	-90°C to -40°C	-90°C to -40°C	0.26°C	SOP # 18, SOP # 23, SOP # 31, SOP # 34	T-Type Thermocouples K - Type Thermocouples	Single and Multi-point Calibration of temperature sensors
108 Temperature controlled enclosures - .01 Ovens, furnaces, baths	0°C to 140°C	0°C to 140°C	0.7°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
	0°C to 75°C	0°C to 75°C	0.3°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	-20°C to 0°C	-20°C to 0°C	0.5°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
	30°C to 75°C	30°C to 75°C	0.2°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	75°C to 100°C	75°C to 100°C	0.4°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	-90°C to -20°C	-90°C to -20°C	0.7°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various freezers from -90°C to -20°C	Single and Multi-point temperature mapping and calibration of

						temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
108 Temperature controlled enclosures - .02 Incubators	0°C to 140°C	0°C to 140°C	0.7°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
	0°C to 75°C	0°C to 75°C	0.3°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	-20°C to 0°C	-20°C to 0°C	0.5°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
	30°C to 75°C	30°C to 75°C	0.2°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	75°C to 100°C	75°C to 100°C	0.4°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors

	-90°C to -20°C	-90°C to -20°C	0.7°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various freezers from -90°C to -20°C	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
108 Temperature controlled enclosures - .03 Autoclaves and sterilising ovens	0°C to 140°C	0°C to 140°C	0.7°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
	0°C to 75°C	0°C to 75°C	0.3°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
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	30°C to 75°C	30°C to 75°C	0.2°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	75°C to 100°C	75°C to 100°C	0.4°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors

	-90°C to -20°C	-90°C to -20°C	0.7°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various freezers from -90°C to -20°C	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
108 Temperature controlled enclosures - .04 Industrial freezers	0°C to 140°C	0°C to 140°C	0.7°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
	0°C to 75°C	0°C to 75°C	0.3°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	-20°C to 0°C	-20°C to 0°C	0.5°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
	30°C to 75°C	30°C to 75°C	0.2°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors
	75°C to 100°C	75°C to 100°C	0.4°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermistors

	-90°C to -20°C	-90°C to -20°C	0.7°C	SOP # 19, SOP # 22, SOP # 40, SOP # 41	Various freezers from -90°C to -20°C	Single and Multi-point temperature mapping and calibration of temperature controlled enclosures using thermocouples. Includes refrigerators and freezers
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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".

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