Schedule of Accreditation

Organisation Name	Carl Stuart Limited
Trading As	Lab Unlimited
INAB Reg No	270C
Contact Name	Orla Wall
Address	Tallaght Business Park, Whitestown, Dublin, D24RFK3
Contact Phone No	01 4523432
Email	orla.wall@carlstuart.com
Website	https://www.labunlimited.com
Accreditation Standard	EN ISO/IEC 17025 C
Standard Version	2017
Date of award of accreditation	07/09/2010
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	Tallaght Business Park, Whitestown, Dublin, D24RFK3

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
101 Mass - .01 Precision laboratory balances	Precision laboratory balances	1mg to 5g 5g to 20g 20g to 100g 100g to 200g 200g to 500g	0.03 mg 0.05 mg 0.15 mg 0.21 mg 0.46mg	Documented procedure 5.3		Class: E2
		1mg to 5g 5g to 20g 20g to 100g 100g to 200g 200g to 600g 600g to 2kg 2kg to 5kg 5kg to 10kg	0.15mg 0.18mg 0.47mg 0.6mg 2mg 5.5mg 14mg 28mg	Documented procedure 5.3		Class: F1
101 Mass - .02 Industrial balances	Industrial Balances	1kg to 10kg 10kg to 50kg 50kg to 100kg 100kg to 150kg 150kg to 200kg 200kg to 300kg	0.24g 1.1g 2.1g 3.2g 4.4g 6.4g	Documented Procedure 5.3		Class: M1

104 Volume - .02 Special laboratory volumetric apparatus	Special laboratory volumetric apparatus	5µl to 20µl 20µl to 100µl 100µl to 200µl 200µl to 1000µl 1ml to 2ml 2ml to 5ml 5ml to 10ml 10ml to 50ml	0.1µl 0.3 µl 0.5 µl 3 µl 5 µl 10 µl 10 µl 20 µl	Documented procedure 5.2 ISO 8655 PARTS 1-9: 2022 Gravimetric method for determination of volume delivered from a plunger/ piston operated apparatus.	Automatic Diluter/Dispenser Apparatus	
107 Temperature measuring equipment - .09 Digital temperature indicator systems	Digital temperature indicator devices	- 98 °C to 150 °C	0.3° C	Documented procedure 5.20		Dryblock

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	Expanded Measurement Uncertainty	Std. ref/SOP	Products	Remarks
101 Mass - .01 Precision laboratory balances	Precision laboratory balances	1mg to 5g 5g to 20g 20g to 100g 100g to 200g 200g to 500g	0.03 mg 0.05 mg 0.15 mg 0.21 mg 0.46mg	Documented procedure 5.3		Class: E2
		1mg to 5g 5g to 20g 20g to 100g 100g to 200g 200g to 600g 600g to 2kg 2kg to 5kg 5kg to 10 kg	0.15mg 0.18mg 0.47mg 0.6mg 2mg 5.5mg 14mg 28mg	Documented procedure 5.3		Class: F1
101 Mass - .02 Industrial balances	Industrial Balances	1kg to 10kg 10kg to 50kg 50kg to 100kg 100kg to 150kg 150kg to 200kg 200kg to 300kg	0.24g 1.1g 2.1g 3.2g 4.4g 6.4g	Documented Procedure 5.3		Class: M1
104 Volume - .02 Special laboratory volumetric apparatus	Special laboratory volumetric apparatus	5µl to 20µl 20µl to 100µl 100µl to 200µl 200µl to 1000µl 1ml to 2ml 2ml to 5ml 5ml to 10ml 10ml to 50ml	0.1 µl 0.3 µl 0.5 µl 3 µl 5 µl 10 µl 10 µl 20 µl	Documented procedure 5.2 EN ISO 8655- 1 to 9: 2022 Gravimetric method for determination of volume delivered from a plunger/ piston operated apparatus.	Automatic Diluter/Dispenser Apparatus	

107 Temperature measuring equipment - .09 Digital temperature indicator systems	Digital temperature indicator devices	- 98 °C to 150 °C	0.3° C	Documented procedure 5.20		Dryblock
108 Temperature controlled enclosures - .01 Ovens, furnaces, baths	Ovens, furnaces and baths	- 90ºC to 50 ºC 50ºC to 150 ºC	0.31ºC 0.53ºC	Documented procedure 5.17		Thermocouple and Datalogger
108 Temperature controlled enclosures - .02 Incubators	Incubators	-90 °C to 50 °C 50ºC to 150ºC	0.31 °C 0.53 °C	Documented procedure 5.17		Thermocouple and Datalogger
108 Temperature controlled enclosures - .04 Industrial freezers	Industrial Freezers	- 90ºC to 50 ºC	0.31ºC	Documented procedure 5.17		Thermocouple and Datalogger
108 Temperature controlled enclosures - 0.05 Fridges	Fridges	-90 to 50ºC	0.31ºC	Documented Procedure 5.17		Thermocouple and Datalogger

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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%.