

Schedule of Accreditation



Organisation Name	Metrology Systems & Services Ltd
Trading As	
INAB Reg No	161C
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Contact Phone No	025-36640
Email	info@metrologysystems.ie
Website	http://www.metrologysystems.ie/
Accreditation Standard	ISO 17025 C
Date Initially Awarded	14/02/2005
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	Metrology Systems (Castlelyons)	Castlelyons, Cork
2	Metrology Systems (Coolagown)	Coolagown, Fermoy, Cork, P61EN84

Scope of Accreditation

Metrology Systems (Castlelyons)

Metrology

Category: A

Metrology field - Calibrated Device Type	Measured quantity	Calibration range	Calibration and measurement capability (CMC)	Std. ref/SOP	Products	Remarks
101 Mass - .05 Laboratory mass standards	Mass (M1 Class)	50 kg 100 kg 200 kg 500 kg	0.50 g 1.0 g 2.0 g 5.0 g	4.18	O.I.M.L. compliant M1 Class (Stainless Steel & Cast Iron Test Weights)	
	Mass (M1-M2 Class)	1,000 kg	20.0 g	4.18	O.I.M.L. compliant M1-2 Class (Stainless Steel & Cast Iron Test Weights)	

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

- Measurand or reference material
- Calibration or measurement method
- Measurement range
- Measurement uncertainty

Nominal temperature for calibration work: $20 \pm 5^{\circ}\text{C}$.

Nominal Humidity: 35% RH to 70% RH

Atmospheric Pressure: 980 hPa to 1030 hPa.

Notes:

- 1) Intermediate values can be calibrated with an uncertainty interpolated from the next higher and lower values.
- 2) Calibration can be given in other units as required.
- 3) Calibration and measurement capability expressed as an uncertainty (+/-) to be reported in compliance with EA-4/02, "Evaluation of the Uncertainty of Measurement in Calibration"

Metrology Systems (Coolagown)

Metrology

Category: A

Metrology field - Calibrated Device Type	Measured quantity	Calibration range	Calibration and measurement capability (CMC)	Std. ref/SOP	Products	Remarks			
101 Mass - .05 Laboratory mass standards	Mass (E2 Class)	2,000 g	1.0 mg	4.17, 4.24, 4.25, 4.26	O.I.M.L. compliant E2 Class (Stainless Steel Test Weights)				
		1,000 g	0.54 mg						
		500 g	0.27 mg						
		200 g	0.10 mg						
		100 g	0.050 mg						
		50 g	0.030 mg						
		20 g	0.025 mg						
		10 g	0.020 mg						
		5 g	0.016 mg						
		2 g	0.012 mg						
		1 g	0.010 mg						
		500 mg	0.0080 mg	4.25	O.I.M.L. compliant E2 Class (Stainless Steel Test Weights)				
		200 mg	0.0060 mg						
		100 mg	0.0050 mg						
		50 mg	0.0040 mg						
		20 mg	0.0033 mg						
		10 mg	0.0030 mg						
		5 mg	0.0020 mg						
		2 mg	0.0020 mg						
		1 mg	0.0020 mg						
	Mass (F1 Class)	10,000 g	10 mg				4.17, 4.20, 4.21, 4.22, 4.23	O.I.M.L. compliant F1 Class (Stainless Steel, Brass Test Weights)	
		5,000 g	5.0 mg						
		2,000 g	2.0 mg						
		1,000 g	1.0 mg						
		500 g	0.50 mg						
		200 g	0.20 mg						
		100 g	0.10 mg						
		50 g	0.060 mg						
		20 g	0.050 mg						
		10 g	0.040 mg						
		5 g	0.032 mg	4.23	O.I.M.L. compliant F1 Class (Stainless Steel, Brass Test Weights)				
		2 g	0.024 mg						
		1 g	0.020 mg						
		500 mg	0.016 mg						
		200 mg	0.012 mg						
		100 mg	0.010 mg						
		50 mg	0.0080 mg						
		20 mg	0.0060 mg						
		10 mg	0.0050 mg						
		5 mg	0.0040 mg						
		2 mg	0.0040 mg						
		1 mg	0.0040 mg						
	Mass (F2 Class)	20,000 g	60 mg	4.20	O.I.M.L. compliant F2 Class (Stainless Steel, Brass Test Weights)				
	Mass (M1- M3 Class)	500 mg	0.16 mg	4.6	O.I.M.L. compliant M1 to M3 Class (Stainless Steel, Cast Iron & Brass Test Weights)				
		200 mg	0.12 mg						
		100 mg	0.10 mg						
		50 mg	0.080 mg						
		20 mg	0.060 mg						
		10 mg	0.050 mg						
		5 mg	0.040 mg						
		2 mg	0.040 mg						

		1 mg	0.040 mg		
Mass (M1-M3 Class)	25,000 g	250 mg	4.6	O.I.M.L. compliant M1 to M3 Class (Stainless Steel, Cast Iron & Brass Test Weights)	
	20,000 g	200 mg			
	10,000 g	100 mg			
	5,000 g	50 mg			
	2,000 g	20 mg			
	1,000 g	10 mg			
	500 g	5.0 mg			
	200 g	2.0 mg			
	100 g	1.0 mg			
	50 g	0.60 mg			
	20 g	0.50 mg			
	10 g	0.40 mg			
	5 g	0.32 mg			
	2 g	0.24 mg			
	1 g	0.20 mg			

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

- Measurand or reference material
- Calibration or measurement method
- Measurement range
- Measurement uncertainty

Nominal temperature for calibration work: $20 \pm 1^\circ\text{C}$.

Nominal Humidity: 35% RH to 70% RH

Atmospheric Pressure: 980 hPa to 1030 hPa.

Notes:

- 1) Intermediate values can be calibrated with an uncertainty interpolated from the next higher and lower values.
- 2) Calibration can be given in other units as required.
- 3) Calibration and measurement capability expressed as an uncertainty (+/-) to be reported in compliance with EA-4/02, "Evaluation of the Uncertainty of Measurement in Calibration"