

# Schedule of Accreditation



Organisation Name	Metrology Systems & Services Ltd
Trading As	
INAB Reg No	161C
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Website	<a href="http://www.metrologysystems.ie/">http://www.metrologysystems.ie/</a>
Accreditation Standard	ISO 17025 C
Date Initially Awarded	14/02/2005
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	Metrology Systems (Castlelyons)	Castlelyons, Cork
2	Metrology Systems - Coolagown - (Head Office)	Coolagown, Fermoy, Cork, P61EN84

# Scope of Accreditation

## Metrology Systems - Coolagown - (Head Office)

### 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			
	Mass (E2 Class)	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	
		5,000 g	5.0 mg			

	2,000 g 1,000 g 500 g 200 g 100 g 50 g 20 g 10 g 5 g 2 g 1 g	2.0 mg 1.0 mg 0.50 mg 0.20 mg 0.10 mg 0.060 mg 0.050 mg 0.040 mg 0.032 mg 0.024 mg 0.020 mg		Steel, Brass Test Weights)	
	500 mg 200 mg 100 mg 50 mg 20 mg 10 mg 5 mg 2 mg 1 mg	0.016 mg 0.012 mg 0.010 mg 0.0080 mg 0.0060 mg 0.0050 mg 0.0040 mg 0.0040 mg 0.0040 mg	4.23	O.I.M.L. compliant F1 Class (Stainless Steel, Brass Test Weights)	
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 200 mg 100 mg 50 mg 20 mg 10 mg 5 mg 2 mg 1 mg	0.16 mg 0.12 mg 0.10 mg 0.080 mg 0.060 mg 0.050 mg 0.040 mg 0.040 mg 0.040 mg	4.6	O.I.M.L. compliant M1 to M3 Class (Stainless Steel, Cast Iron & Brass Test Weights)	
Mass (M1-M3 Class)	25,000 g 20,000 g 10,000 g 5,000 g 2,000 g 1,000 g 500 g 200 g 100 g 50 g	250 mg 200 mg 100 mg 50 mg 20 mg 10 mg 5.0 mg 2.0 mg 1.0 mg 0.60 mg	4.6	O.I.M.L. compliant M1 to M3 Class (Stainless Steel, Cast Iron & Brass Test Weights)	

	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			

*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 "Expression 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%*

*Nominal temperature for calibration work: 20 ± 1°C.*

*Nominal Humidity: 35% RH to 70% RH*

*Atmospheric Pressure: 980 hPa to 1030 hPa.*

## 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)	

*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 "Expression of the Uncertainty of Measurement".*

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

*Nominal temperature for calibration work: 20 ± 5°C.*

*Nominal Humidity: 35% RH to 70% RH*

*Atmospheric Pressure: 980 hPa to 1030 hPa.*