Schedule of Accreditation



Organisation Name	EPA					
Trading As	Environmental Protection Agency					
INAB Reg No	311C					
Contact Name	Éidín Christie					
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Accreditation Standard	EN ISO/IEC 17025 C					
Standard Version	2017					
Date of award of accreditation	16/04/2013					
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 a	ccredited services delivered at each site are on the Scope of Accreditation)						
	Name	Address						
	Dublin - Clonskeagh Square	3 Clonskeagh Square, Clonskeagh Road, Dublin, Ireland, D14 H424						
	2 Dublin - McCumiskey McCumiskey House, Richview, Clonskeagh Road, Dublin 14, Dublin, D House YR62							
3	3 Kilkenny Seville Lodge, Callan Road, Kilkenny, R95 ED28							

Scope of Accreditation

Dublin - Clonskeagh Square

Metrology

Category: A

Metrology field - Calibrated Device Type	Measured quantity	Calibration range	Expanded Measurement Uncertainty	Std. ref/SOP	Products	Remarks
117 Radiation01 Ionising radiation survey instruments	Gamma Radiation 4 μGy mGyh ²⁴¹Am 3 μGy	¹³⁷ Cs @ 662keV: 4 μGyh ^{−1} to 183 mGyh ^{−1}	0.04	In house Calibration procedure RIC204 and RIC205	Calibration	Air kerma rates are determined using a secondary standard ionisation chamber.The range of uncertainties obtained when calibrating instruments for clients is typically 5-20%.
		^{2₄1} Am @ 60keV: 3 μGyh ^{−1} to 194 μGyh ^{−1}	0.05	In house Calibration procedure RIC204 and RIC205	Calibration	Air kerma rates are determined using a secondary standard ionisation chamber.The range of uncertainties obtained when calibrating instruments for clients is typically 5-20%.

Ambient Dose Equivalent Rate Gamma Radiation	¹³⁷ Cs @ 662keV: 5 µSvh ^{−1} to 220 mSvh	0.04	In house Calibration procedure RIC204, RIC206, RIC207 and RIC208	Calibration	Air kerma rates are determined using a secondary standard ionisation chamber.The range of uncertainties obtained when calibrating instruments for clients is typically 5-20%.
	²⁴¹ Am @ 60keV: 6 μSvh ^{−1} to 358 μSvh ^{−1}	0.05	In house Calibration procedure RIC204, RIC206, RIC207 and RIC208	Calibration	Air kerma rates are determined using a secondary standard ionisation chamber.The range of uncertainties obtained when calibrating instruments for clients is typically 5-20%.
Surface Contamination Monitor Response. Alpha & Beta Particle Radiation	Alpha- & Beta- emitting radionuclides: ¹⁴ C	5 to 20% (depending on monitor type)	In house procedure RIC213 based on NPL Measurement Good Practice Guide No.14 with large area ISO 8769 type sources.	Calibration	Calibration of health physics instruments such as dose / doserate survey meters, personal dosimeters and bleepers, and ion chambers/electrometer systems, using calibrated gamma radiation fields from caesium-137 and americium-241 sources.
	Alpha- & Beta- emitting radionuclides: ²⁴¹ Am	5 to 20% (depending on monitor type)	In house procedure RIC213 based on NPL Measurement Good Practice Guide No.14 with large area ISO 8769 type sources.	Calibration	Calibration of health physics instruments such as dose / doserate survey meters, personal dosimeters and bleepers, and ion chambers/electrometer systems, using calibrated gamma radiation fields from

					caesium-137 and americium-241 sources.
	Alpha- & Beta- emitting radionuclides: ⁹⁰ Sr	5 to 20% (depending on monitor type)	In house procedure RIC213 based on NPL Measurement Good Practice Guide No.14 with large area ISO 8769 type sources.	Calibration of health physics instruments such as dose / doserate survey meters, personal dosimeters and bleepers, and ion chambers/electrometer systems, using calibrated gamma radiation fields from caesium-137 and americium-241 sources.	
		Alpha- & Beta- emitting radionuclides: ¹³⁷ Cs	5 to 20% (depending on monitor type)	In house procedure RIC213 based on NPL Measurement Good Practice Guide No.14 with large area ISO 8769 type sources.	Calibration of health physics instruments such as dose / doserate survey meters, personal dosimeters and bleepers, and ion chambers/electrometer systems, using calibrated gamma radiation fields from caesium-137 and americium-241 sources.
		Alpha- & Beta- emitting radionuclides: ³⁶ CL		In house procedure RIC213 based on NPL Measurement Good Practice Guide No.14 with large area ISO 8769 type sources.	Calibration of health physics instruments such as dose / doserate survey meters, personal dosimeters and bleepers, and ion chambers/electrometer systems, using calibrated gamma radiation fields from caesium-137 and

						americium-241 sources.
Calibration Measurement C Measure and or reference Calibration or measureme Measurement range and Measurement uncertainty Measurement uncertainty so In accordance with INAB po	e material ent method or procedure additional parameters w r hall be reported in comp	and type of instrument here applicable liance with EA 4/02 "Exp	or material calibrated/n	inty of Measurement	in Calibration".	

Metrology

Category: A

Metrology field - Calibrated Device Type	Measured quantity	Calibration range	Expanded Measurement Uncertainty	Std. ref/SOP	Products	Remarks
122 Emissions01 Gas analysers	Carbon Monoxide (CO)	0 to 25 µmol/mol	±5%*	EN14626:2012 /SOP AC01	Analyser, Gas Filter Correlation	*Uncertainties are calculated for an estimated confidence level of not less than 95%.
	NO _x , NO ₂	0 to 500 nmol/mol	±5%*	EN14211:2012 /SOP AC02	Analyser, by Chemiluminescense	*Uncertainties are calculated for an estimated confidence level of not less than 95%.
	Ozone, O ₃	0 to 250 nmol/mol	±5%*	EN14625:2012 /SOP AC04	Analyser, UV Absorption	*Uncertainties are calculated for an estimated confidence level of not less than 95%.
	SO ₂	0 to 500 nmol/mol	±5%*	EN14212:2012 /SOP AC03	Analyser, UV Fluorescence	*Uncertainties are calculated for an estimated confidence level of not less than 95%.
Calibration Measurement (Measure and or reference Calibration or measuren Measurement range and Measurement uncertainty	ce material nent method or procedu d additional parameters ty.	re and type of instrume where applicable	nt or material calibrat		ent in Calibration".	1

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%.

Kilkenny

Metrology

Category: A

Metrology field - Calibrated Device Type	Measured quantity	Calibration range	Expanded Measurement Uncertainty	Std. ref/SOP	Products	Remarks	
122 Emissions01 Gas analysers	Benzene	0 to 15.4 nmol/mol	±25%*	EN14662-3:2005 /SOP AC05	Analyser, Autoamted pump sampling	*Uncertainties are calculated for an estimated confidence level of not less than 95%.	
Calibration Measurement Capability (CMC) is expressed in terms of the following parameters: Measure and 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%.							