Schedule of Accreditation

Organisation Name	Air Scientific Limited
Trading As	
INAB Reg No	319T
Contact Name	Amanda Sheridan
Address	32 De Granville Court, Dublin Road, Trim, Meath, C15 EH51
Contact Phone No	046 9437922
Email	amanda@airscientific.ie
Website	http://www.airscientific.ie
Accreditation Standard	EN ISO/IEC 17025 T
Standard Version	2017
Date of award of accreditation	03/12/2013
Scope Classification	Chemical Testing

Services available to the public[1]

[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	Air Scientific Ltd	Unit 32 DeGranville Court, Dublin Road, Trim, Meath, Ireland, C15EH51

Scope of Accreditation

Air Scientific Ltd

Chemical Testing

Category: A

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP
770 Gases and aerosols - .04 Industrial fumes and emissions	Stationary source emissions Determination of Odour concentration by dynamic olfactometry - analysis via Ecoma T09 Evolution	Odour	1:10,000,000 to 1:3.5	Industrial Fumes & Mixtures	Ecoma T09 Evolution Yes/No and forced choice	EN13725:2022/SOP 2050

Air Scientific Ltd

Chemical Testing

Category: B

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP
770 Gases and aerosols - .04 Industrial fumes and emissions	Air Emissions Determination of Flow Rates EN 16911-1.	Anemometer	0.1-25m/s	Industrial Fumes & Mixtures	L & S type pitots, Anemometer	EN 16911-1:2013 / SOP 2005
	Determination of Carbon Dioxide	CO2	0.1 to 25%	Industrial Fumes & Mixtures	NDIR	CEN/ TS 17045: 2020/ SOP 2045
	Determination of Carbon Monoxide	Carbon monoxide	1.7 to 1250 mg.m-3	Industrial Fumes & Mixtures	NDIR	EN15058:2017/SOP 2004
	Determination of Gaseous Fluoride with subsequent analysis by ISO 17025 accredited laboratory	Gaseous Fluoride	0.1 to 500 mg.m3	Industrial Fumes & Mixtures	Extraction	CEN/TS 17340:2020/ SOP 2024
	Determination of mass concentration of SO2 by Instrumental Technique	Sulphur Dioxide	6.1 to 2860 mg.m-3	Industrial Fumes & Mixtures	NDIR	CEN/ TS 17021:2017/ SOP 2046
	Determination of Oxides of Nitrogen	Oxides of Nitrogen	1.8 to 2050 mg.m-3	Industrial Fumes & Mixtures	Chemiluminescence	EN 14792:2017/ SOP 2002
	Determination of Oxygen	Oxygen	0.1 to 26 vol%	Industrial Fumes & Mixtures	Paramagnetic continuous analyser & Zirconium oxide cell	EN 14789:2017/SOP 2008
	Determination of Pressure	Pressure	0 to 8000pa	Industrial Fumes & Mixtures	L & S Type Pitots	EN 16911-1:2013/SOP 2005
	Determination of Temperature	Temperature	0 to 1200°C	Industrial Fumes & Mixtures	Thermocouple	EN 16911:2013/SOP 2005

Determination of Velocity	Velocity Anemometer	2.98 to 40 m.S-1 0.1 - 10 m.S-1	Industrial Fumes & Mixtures	L & S Type Pitots	EN 16911:2013/SOP 2005
Determination of Water Vapour	Water Vapour	0.10 to 40%	Industrial Fumes & Mixtures	Gravimetric	EN 14790:2017/ SOP 2007
General methods for the Sampling of Metals, Respirable, Thoracic and Inhalable Aerosols.	Inhalable/Respirable Dust, occupational metal dust	0-30mg/m3	Industrial Fumes & Mixtures	Extraction & Sampling	MDHS 14/4:2014 / SOP 2051
General methods for the sampling of Volatile Organic Compounds in Air.	Occupational Volatile Organic Compounds	0.02 to 5000mg/m3	Industrial Fumes & Mixtures	Extraction & Sampling	MDHS 96:2000 / SOP 2052
Stationary source emissions – Determination of mass concentration of multiple gaseous species – Using Electrochemical Cells	CO	0-1500 mg.m-3	Industrial Fumes & Mixtures	Testo Electrochemical Cells	EN 14793:2017/ SOP 2043
	NOx	0-2050 mg.m-3	Industrial Fumes & Mixtures	Testo Electrochemical Cells	EN 14793:2017/ SOP 2043
	O2	0-26 %	Industrial Fumes & Mixtures	Testo Electrochemical Cells	EN 14793:2017/ SOP 2043
Stationary source emissions- Determination of mass concentration of multiple gaseous species using electrochemical cells.	CO2	0.1-25%	Industrial Fumes & Mixtures	Testo Electrochemical Cells/ NDIR	CEN/TS 17045:2020 / SOP 2043
Stationary source emissions- Determination of mass concentration of	CO	0-1500 mg.m3	Industrial Fumes & Mixtures	Gasmet FTIR	CEN/TS 17337:2019/ SOP 2047

	multiple gaseous species using FTIR					
		CO2	0-25%	Industrial Fumes & Mixtures	Gasmet FTIR	CEN/TS 17337:2019/ SOP 2047
		NO	0-2000 mg.m3	Industrial Fumes & Mixtures	Gasmet FTIR	CEN/TS 17337:2019/ SOP 2047
		O2	0-10%	Industrial Fumes & Mixtures	Gasmet FTIR	CEN/TS 17337:2019/ SOP 2047
		SO2	0-1500 mg.m3	Industrial Fumes & Mixtures	Gasmet FTIR	CEN/TS 17337:2019/ SOP 2047
	Stationary source emissions- Determination of the mass concentration of ammonia- manual method	Ammonia	0.1 to 2200 mg.m3	Industrial Fumes & Mixtures	Extraction	ISO 21877:2019/ SOP 2048
	Total gaseous Organic Carbon	TOC	0.8 to 1600 mgC.m-3	Industrial Fumes & Mixtures	Flame Ionisation Detector	EN 12619:2013/SOP 2009
798 Sampling	Determination of Dioxins and Furans with subsequent analysis by ISO 17025 accredited laboratory	Dioxins and Furans	0.0001 to 10 ng l TEQ.m-3	Industrial Fumes & Mixtures	Iso kinetic Sampling	EN 1948-1:2006/SOP 2006
	Determination of Gaseous Fluoride with subsequent analysis by ISO 17025 accredited laboratory	Gaseous Fluoride	0.1 to 500 mg.m3	Industrial Fumes & Mixtures	Sampling	CEN/TS 17340:2020 / SOP 2024
	Determination of Sulphur Dioxide with subsequent analysis by ISO 17025 accredited laboratory	Sulphur Dioxide	0.1 to 2600 mg.m-3	Industrial Fumes & Mixtures	Extraction & Sampling	EN 14791:2017/SOP 2003
	Determination of the mass concentration of	Speciated Organic Compounds	0.05 to 5000 mg.m-3	Industrial Fumes & Mixtures	Extraction & Sampling	CEN/TS 13649:2014/ SOP 2019

Individual Gaseous Organic Compounds with subsequent analysis by ISO 17025 accredited laboratory					
Determination of Total Particulate Matter with subsequent analysis by ISO 17025 accredited laboratory	Total Particulate Matter	0.1 to 50 mg/m3	Industrial Fumes & Mixtures	Iso kinetic Sampling	EN 13284-1:2017/SOP 2000
		20 to 1000 mg/m3	Industrial Fumes & Mixtures	Iso kinetic Sampling	EN 9096:2017/SOP 2001
Stationary Source Emissions Determination of Odour concentration by dynamic olfactometry - Collection of odour samples for delayed olfactometry & Bag manufacture for odour sampling & analysis	Odour	0.1 to 10,000 dilutions	Industrial Fumes & Mixtures	'Lung' method – Dry and Wet sampling, Static Dilution, Dynamic Dilution using Venturi, Hood Method (Active), Cover Sheet Method, Passive source sampling Wind tunnel, Lindvall hood and Flux chamber.	EN13725:2022/SOP 2049
Total Emission of Formaldehyde with subsequent analysis by ISO 17025 accredited laboratory	Formaldehyde	0.05 mg/m3 to 5000mg.m3	Industrial Fumes & Mixtures	Iso kinetic Sampling & Non-Iso Kinetic Sampling	US EPA M316/ SOP 2020
Total Emission of Gaseous Chlorides expressed as HCL with subsequent analysis by ISO 17025 accredited laboratory	HCL	0.05 to 5000 mg.m3	Industrial Fumes & Mixtures	Extraction & Sampling	EN 1911:2010 / SOP 2014
Total Emission of Mercury with	Mercury	0.001 to 0.5 mg.m-3	Industrial Fumes & Mixtures	Iso kinetic Sampling	EN 13211:2001/ SOP 2029

	subsequent analysis by ISO 17025 accredited laboratory					
	Total Emission of the following Metals: Arsenic- As, Cadmium-Cd, Chromium -Cr, Cobalt-Co, Copper- Cu, Manganese- Mn, Nicker- Ni, Lead- Pb, Antimony- Sb, Thallium-Tl, vanadium-V with subsequent analysis by ISO 17025 accredited laboratory	Metals- As, Cd, Cr, Co, Cu, Mn, Ni, Pb, Sb, Tl & V	0.005 to 0.5 mg.m-3 per metal	Industrial Fumes & Mixtures	Iso kinetic Sampling	EN 14385:2004/ MID 14385 / SOP 2015

Head Office

Chemical Testing

Category: B

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP
770 Gases and aerosols - .04 Industrial fumes and emissions	Determination of Mass Concentration of Ammonia with subsequent analysis by ISO17025 Accredited laboratory	Ammonia	0.1 to 2200 mg.m3	Industrial Fumes & Mixtures	Sampling	ISO 21877:2019 / SOP2048