

Schedule of Accreditation



Organisation Name	Element Materials Technology Ireland Limited
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Accreditation Standard	EN ISO/IEC 17025 T
Standard Version	2017
Date of award of accreditation	15/12/2021
Scope Classification	Chemical testing
Services available to the public ¹	No

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	D8, North City Business Park, North Road, Finglas, D11, Dublin

Scope of Accreditation

Head Office

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	Determination of Chloride in water impinger solution	Hydrogen Chloride	0.05 to 20 mg/l (extended by dilution)	Atmospheric pollutants and effluent - stack gas samples	IC	IS EN 1911:2010 Stationary source emissions, Performance standard to meet the requirements of the Environment Agency (MCERTS) for laboratories carrying out testing of samples from stack emissions monitoring using EET-AP-10
	Determination of Fluoride in sodium hydroxide impinger solution	Hydrogen Fluoride	0.05 to 5 mg/l (extended by dilution)	Atmospheric pollutants and effluent - stack gas samples	IC	PD CEN/TS 17340:2020 Stationary source emissions, Performance standard to meet the requirements of the Environment Agency (MCERTS) for laboratories carrying out testing of samples

						from stack emissions monitoring using EET-AP-10
	Determination of Fluoride in water impinger solution		0.05 to 5 mg/l (extended by dilution)	Atmospheric pollutants and effluent - stack gas samples	IC	PD CEN/TS 17340:2020 Stationary source emissions, Performance standard to meet the requirements of the Environment Agency (MCERTS) for laboratories carrying out testing of samples from stack emissions monitoring using EET-AP-10
	Determination of Nitrate in water impinger solution	Nitrate	0.05 to 20 mg/l (extended by dilution)	Atmospheric pollutants and effluent - stack gas samples	IC	In house method using Ion Chromatography analysis using EET-AP-10
	Determination of sulphate in water impinger solution	Sulphate	0.05 to 20 mg/l (extended by dilution)	Atmospheric pollutants and effluent - stack gas samples	IC	In house method using Ion Chromatography analysis using EET-AP-10
	Total Acids expressed as HCl in water impinger solution	Total Acids expressed as HCl	0.2 to 65 mg/l (extended by dilution)	Atmospheric pollutants and effluent - stack gas samples	IC	Stoichiometric Calculation from fluoride, sulphate, nitrate and hydrogen chloride by Ion Chromatography using EET-AP-01

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 Ammonia	Ammonia	0.1-2000 mg/m ³	Testing of Stack Emissions to Atmosphere	Validated FTIR analyser	PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
	Determination of Carbon Dioxide	Carbon Dioxide	0.2-20%	Testing of Stack Emissions to Atmosphere	NDIR analyser	CEN TS 17405:2020 (CAT-TP-21) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and CEN TS 17405:2020

						to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
			0.2-20%	Testing of Stack Emissions to Atmosphere	NDIR analyser	CEN TS 17405:2020 (CAT-TP-39) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and CEN TS 17405:2020 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
	Determination of Carbon Monoxide	Carbon Monoxide	0.13-6250 mg/m3	Testing of Stack Emissions to Atmosphere	NDIR analyser	BS EN 15058:2017 (CAT-TP-39) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 15058:2017 to meet the requirements of the Irish Environmental

						Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
			0.13-6250mg/m3	Testing of Stack Emissions to Atmosphere	NDIR analyser	BS EN 15058:2017 (CAT-TP-21) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 15058:2017 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
			0.2-12500 mg/m3	Testing of Stack Emissions to Atmosphere	Validated FTIR analyser	PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Irish Environmental

						Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
	Determination of CO by Electrochemical Cell		0.2-1500 mg/m3	Testing of Stack Emissions to Atmosphere	Testo 350XL analyser	ISO 12039 (CAT-TP-28)
	Determination of Hydrogen Chloride	Hydrogen Chloride	0.2-86.3 mg/m3	Testing of Stack Emissions to Atmosphere	Validated FTIR analyser	PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
	Determination of Methane	Methane	0.2-714 ppm	Testing of Stack Emissions to Atmosphere	Validated FTIR analyser	PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and

						PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Nitrogen Dioxide (NO ₂)	Nitrogen Dioxide (NO ₂)	0.2-411 mg/m ³	Testing of Stack Emissions to Atmosphere	Validated FTIR analyser		PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Nitrogen Monoxide (NO)	Nitrogen Monoxide (NO)	0.2-1741 mg/m ³	Testing of Stack Emissions to Atmosphere	Validated FTIR analyser		PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Environment Agency (MCERTS) Performance Standard

						Standard and also the requirements of BS EN 15259:2007 and PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
			0.2-3348 mg/m3	Testing of Stack Emissions to Atmosphere	Chemiluminescence analyser	BS EN 14792:2017 (CAT-TP-21) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 14792:2017 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
			0.2-3348mg/m3	Testing of Stack Emissions to Atmosphere	Chemiluminescence analyser	BS EN 14792:2017 (CAT-TP-39) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the

						requirements of BS EN 15259:2007 and IS EN 14792:2017 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Nitrous Oxide (N2O)	Nitrous Oxide (N2O)	0.2-195 mg/m3	Testing of Stack Emissions to Atmosphere	Validated FTIR analyser		PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007
Determination of NO & NO2 by Electrochemical Cell	Nitrogen Monoxide and Nitrogen Dioxide	0.2-2050 mg/m3	Testing of Stack Emissions to Atmosphere	Testo 350XL analyser		ISO 10849 (CAT-TP-28)
Determination of O2 by Electrochemical Cell	Oxygen	0.2-26%	Testing of Stack Emissions to Atmosphere	Testo 350XL analyser		ISO 12039 (CAT-TP-28)
Determination of Oxides of nitrogen (NOx)	Oxides of nitrogen (NOx)	0.2-4932 mg/m3	Testing of Stack Emissions to Atmosphere	Validated FTIR analyser		CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the

						Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
			0.2-5133 mg/m3	Testing of Stack Emissions to Atmosphere	Chemiluminescence analyser	BS EN 14792:2017 (CAT-TP-21) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 14792:2017 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007
			0.2-5133 mg/m3	Testing of Stack Emissions to Atmosphere	Chemiluminescence analyser	BS EN 14792:2017 (CAT-TP-39) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS

						EN 15259:2007 and IS EN 14792:2017 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Oxygen	Oxygen	0.2-25%	Testing of Stack Emissions to Atmosphere	Validated Zirconium cell analyser	BS EN 14789:2017 (CAT-TP-21) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 14789:2017 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard	
		0.2-25%	Testing of Stack Emissions to Atmosphere	Paramagnetic Analyser	BS EN 14789:2017 (CAT-TP-25) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 14789:2017 to meet the	

			requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard	
	0.2-25%	Testing of Stack Emissions to Atmosphere	Paramagnetic Analyser	BS EN 14789:2017 (CAT-TP-33) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 14789:2017 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
	0.2-25%	Testing of Stack Emissions to Atmosphere	Paramagnetic Analyser	BS EN 14789:2017 (CAT-TP-39) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 14789:2017 to meet the requirements of the Irish Environmental Protection Agency

						AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Pressure, Temperature and Velocity	Pressure, Temperature and Velocity (point velocity method)	3-35m/s	Testing of Stack Emissions to Atmosphere	Pitot tube method		BS EN ISO 16911-1:2013 & PD CEN/TR 17078 (CAT-TP-41) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN ISO 16911-1:2013 & PD CEN/TR 17078 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of SO2 by Electrochemical Cell	Sulphur dioxide	0.2-914 mg/m3	Testing of Stack Emissions to Atmosphere	Testo 350XL analyser		BS 6069-4.4 / ISO 7935 (CAT-TP-28)
Determination of Speciated VOCs and other inorganics	Speciated VOCs and other inorganics	0.005-500mg/m3	Testing of Stack Emissions to Atmosphere	Validated FTIR analyser		PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and PD CEN/TS

						17337:2019 (CAT-TP-22C) to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Sulphur Dioxide	Sulphur Dioxide	0.2-7028 mg/m3	Testing of Stack Emissions to Atmosphere	Validated FTIR analyser	PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard	
		0.28 - 8571 mg/m3	Testing of Stack Emissions to Atmosphere	NDIR analyser	PD CEN/TS 17021:2017 (CAT-TP-21) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the	

						requirements of BS EN 15259:2007 and PD CEN/TS 17021:2017 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Total Gaseous Organic Carbon	Total Gaseous Organic Carbon	0.16-1609mg/m3	Testing of Stack Emissions to Atmosphere	Flame Ionisation Detector		BS EN 12619:2013 (CAT-TP-20) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 12619:2013 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of water vapour	Water Vapour	0.1-40%	Testing of Stack Emissions to Atmosphere	Validated FTIR analyser		PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS

						EN 15259:2007 and PD CEN/TS 17337:2019 (CAT-TP-22C) to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
	QAL 2 and the Annual Surveillance Test (AST) for CEMS	QAL 2 and the Annual Surveillance Test (AST) for CEMS	1	Testing of Stack Emissions to Atmosphere	Stack Emissions - Continuous Emissions Monitoring Systems (CEMS)	Documented in house procedure CAT-TP-29 to meet the requirements of EN 14181:2014, AG3 and EN 15259:2007 to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of EN 14181:2014
798 Sampling	Determination of Ammonia with subsequent analysis by ISO 17025 accredited laboratory	Ammonia	0.05-2000 mg/m ³	Testing of Stack Emissions to Atmosphere	Isokinetic or Non-Isokinetic Extractive Sampling	BS EN ISO 21877:2019 (CAT-TP-14) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN ISO 21877:2019 to meet the requirements of the Irish Environmental

						Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
	Determination of condensable VOCs with subsequent analysis by ISO 17025 accredited laboratory	Condensable VOC's	0.1-5000 mg/m3	Testing of Stack Emissions to Atmosphere	Isokinetic or Non-Isokinetic Extractive Sampling	Based on BS EN 14791 (CAT-TP-23) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and based on IS EN 14791 (CAT-TP-23) to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
	Determination of Dioxin-like Polychlorinated Biphenyls (PCBs) with subsequent analysis by ISO 17025 accredited laboratory	Dioxin-like Polychlorinated Biphenyls (PCBs)	0.005-10 ng/ITEQ m3	Testing of Stack Emissions to Atmosphere	Isokinetic Extractive Sampling	BS EN 1948-1:2006 (CAT-TP-07) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 1948-1:2006 to meet the requirements of the Irish Environmental Protection Agency

						AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Dioxins and Furans with subsequent analysis by ISO 17025 accredited laboratory	Dioxins and Furans	0.005-10 ng/ITEQ m3	Testing of Stack Emissions to Atmosphere	Isokinetic Extractive Sampling		BS EN 1948-1:2006 (CAT-TP-07) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 1948-1:2006 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Halides and Halogens with subsequent analysis by ISO 17025 accredited laboratory	Halides and Halogens Hydrogen Bromide Chlorine Bromine	0-200 mg/m3	Testing of Stack Emissions to Atmosphere	Isokinetic or Non-Isokinetic Extractive Sampling		US EPA Methods 26 and 26a (CAT-TP-13) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and US EPA Methods 26 and 26a to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and

						Environment Agency (MCERTS) Performance Standard
Determination of Heavy Metals & Mercury with subsequent analysis by ISO 17025 accredited laboratory	Heavy Metals and Mercury	0.005-0.5 mg/m3	Testing of Stack Emissions to Atmosphere	Isokinetic Extractive Sampling		BS EN 14385:2004 & BS EN 13211:2001 (CAT-TP-06) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 14385:2004 & IS EN 13211:2001 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Heavy Metals with subsequent analysis by ISO 17025 accredited laboratory (Heavy Metals	0.005-0.5 mg/m3	Testing of Stack Emissions to Atmosphere	Isokinetic Extractive Sampling		BS EN 14385:2004 (CAT-TP-06) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 14385:2004 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency

						(MCERTS) Performance Standard
Determination of Hydrogen Chloride with subsequent analysis by ISO 17025 accredited laboratory	Hydrogen Chloride	0.05-5000 mg/m3	Testing of Stack Emissions to Atmosphere	Isokinetic or Non-Isokinetic Extractive Sampling		BS EN 1911:2010 (CAT-TP-11) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 1911:2010 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Hydrogen Cyanide with subsequent analysis by ISO 17025 accredited laboratory	Hydrogen Cyanide	0.1-200 mg/m3	Testing of Stack Emissions to Atmosphere	Isokinetic or Non-Isokinetic Extractive Sampling		US EPA OTM 029 (CAT-TP-12) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and US EPA OTM 029 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard

Determination of Hydrogen Fluoride with subsequent analysis by ISO 17025 accredited laboratory	Hydrogen Fluoride (Particulate and gaseous fluoride content)	0.05-200 mg/m3	Testing of Stack Emissions to Atmosphere	Isokinetic or Non-Isokinetic Extractive Sampling	CEN TS 17340 (CAT-TP-10) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and CEN TS 17340 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Hydrogen Sulphide with subsequent analysis by ISO 17025 accredited laboratory	Hydrogen Sulphide	0.25-2000 mg/m3	Testing of Stack Emissions to Atmosphere	Non-Isokinetic Extractive Sampling	US EPA Method 11 (CAT-TP-15) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and US EPA Method 11 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Isocyanates with subsequent analysis	Isocyanates	0.2-50 mg/m3	Testing of Stack Emissions to Atmosphere	Isokinetic Extractive Sampling	US EPA CTM 036 (CAT-TP-17) to meet the requirements of

	by ISO 17025 accredited laboratory					the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and US EPA CTM 036 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
	Determination of Mercury with subsequent analysis by ISO 17025 accredited laboratory	Mercury	0.005-0.5 mg/m3	Testing of Stack Emissions to Atmosphere	Isokinetic Extractive Sampling	BS EN 13211:2001 (CAT-TP-06) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 13211:2001 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
	Determination of Odour with subsequent analysis by ISO 17025 accredited laboratory	Odour (direct sampling of dry stacks and dynamic dilution sampling of hot wet stacks)	101 ouE /m3 to 107 ouE /m3	Testing of Stack Emissions to Atmosphere	Extractive Sampling	BS EN 13725:2003 (CAT-TP-30) to meet the requirements of the Environment Agency (MCERTS) Performance

						Standard and also the requirements of BS EN 15259:2007 and IS EN 13725:2003 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Oil mist, Tar and bitumen fume with subsequent analysis by ISO 17025 accredited laboratory	Oil mist, Tar and bitumen fume	0.1-50mg/m3	Testing of Stack Emissions to Atmosphere	Isokinetic Sampling	BS EN 13284-1:2017 & MDHS 84 (CAT-TP-37) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 13284-1:2017 & MDHS 84 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard	
Determination of Particulate Matter <10 micron (PM10 and PM2.5) with subsequent analysis by ISO 17025 accredited laboratory	Particulate Matter <10 micron (PM10 and PM2.5)	0.1-40 mg/m3	Testing of Stack Emissions to Atmosphere	Extractive Sampling	BS EN ISO 23210:2009 (CAT-TP-18) to meet the requirements of the Environment Agency (MCERTS) Performance	

						Standard and also the requirements of BS EN 15259:2007 and IS EN ISO 23210:2009 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Polycyclic Aromatic Hydrocarbons (PAHs) with subsequent analysis by ISO 17025 accredited laboratory	Polycyclic Aromatic Hydrocarbons (PAHs)	0.005-500mg/m3	Testing of Stack Emissions to Atmosphere	Isokinetic Extractive Sampling	BS ISO 11338-1:2003 (CAT-TP-08) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS ISO 11338-1:2003 (CAT-TP-08) to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard	
Determination of siloxanes with subsequent analysis by ISO 17025 accredited laboratory	Siloxanes Decamethylcyclopenta siloxane Decamethyltetrasiloxane Dodecamethylcyclohexa siloxane Dodecamethylpentasiloxane	0.005-500 mg/m3	Testing of Stack Emissions to Atmosphere	Extractive Sampling	Based on PD CEN/TS 13649:2014 (CAT-TP-16) to meet the requirements of the Environment Agency (MCERTS) Performance	

	Hexamethylcyclotrisiloxane Hexamethyldisiloxane Octamethylcyclotetrasiloxane Octamethyltrisiloxane Trimethylsilanol				Standard and also the requirements based on PD CEN/TS 13649:2014 (CAT-TP-16) to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Speciated VOCs with subsequent analysis by ISO 17025 accredited laboratory	Speciated VOCs Mercaptans Amines and Amides Phenols Cresols Carboxylic Acids Aldehydes	0.005-500mg/m3	Testing of Stack Emissions to Atmosphere	Extractive Sampling	CEN TS 13649:2014 (CAT-TP-16) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and CEN TS 13649:2014 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Sulphur Dioxide with subsequent analysis by ISO 17025 accredited laboratory	Sulphur Dioxide	0.05-2000 mg/m3	Testing of Stack Emissions to Atmosphere	Isokinetic or Non-Isokinetic Extractive Sampling	BS EN 14791:2017 (CAT-TP-09) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and

						IS EN 14791:2017 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Sulphuric Acid mist and Sulphur Trioxide with subsequent analysis by ISO 17025 accredited laboratory	Sulphuric Acid (Sulphuric acid mist & Sulphur Trioxide) & Sulphur Dioxide	0.2-200 mg/m3	Testing of Stack Emissions to Atmosphere	Isokinetic or Non-Isokinetic Extractive Sampling		US EPA Method 8 (CAT-TP-42) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and US EPA Method 8 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2014 and Environment Agency (MCERTS) Performance Standard
Determination of Total Acids with subsequent analysis by ISO 17025 accredited laboratory	Total acids	0.2-5000 mg/m3	Testing of Stack Emissions to Atmosphere	Isokinetic or Non-Isokinetic Extractive Sampling		Based on BS EN 1911:2010 (CAT-TP-30) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and based on IS EN 1911:2010 to meet

						the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Total Aldehydes and Formaldehyde with subsequent analysis by ISO 17025 accredited laboratory	Total Aldehydes and Formaldehyde	0.1-500 mg/m3	Testing of Stack Emissions to Atmosphere	Isokinetic or Non-Isokinetic Extractive Sampling		CEN TS 17638 (MD-19) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and CEN TS 17638 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
Determination of Total Oxides of Nitrogen with subsequent analysis by ISO 17025 accredited laboratory	Total Oxides of Nitrogen (NO, NO2 and nitric acid vapour)	0.1 - 200 mg/m3	Testing of Stack Emissions to Atmosphere	Non-Isokinetic Extractive Sampling		US EPA Method 7D (CAT-TP-35) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and US EPA Method 7D to meet the requirements of the Irish Environmental

						Protection Agency AG1 and AG2 and IS EN 15259:2025 and Environment Agency (MCERTS) Performance Standard
	Determination of Total Particulate Matter with subsequent analysis by ISO 17025 accredited laboratory	Total Particulate Matter	0.05-1000 mg/m3	Testing of Stack Emissions to Atmosphere	Isokinetic Extractive Sampling	BS EN 13284-1:2017 (CAT-TP-01) to meet the requirements of the Environment Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 13284-1:2017 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
	Determination of trace and bulk components by tedlar bag with subsequent analysis by ISO 17025 accredited laboratory	Trace and Bulk Components By Tedlar Bags / Canisters: Hydrogen Sulphide Carbon Monoxide Carbon Dioxide Oxygen Methane Nitrogen	0.005-500mg/m3	Testing of Stack Emissions to Atmosphere	Extractive Sampling	Documented In-House Procedures Based on Environment Agency guidance document LFTGN04 (CAT-TP-27) to meet the requirements of the Environment Agency (MCERTS) Performance Standard
	Determination of water vapour with on-site analysis	Water Vapour	0.1-40%	Testing of Stack Emissions to Atmosphere	Isokinetic or Non-Isokinetic Extractive Sampling	BS EN 14790:2017 (CAT-TP-05) to meet the requirements of the Environment

						Agency (MCERTS) Performance Standard and also the requirements of BS EN 15259:2007 and IS EN 14790:2017 to meet the requirements of the Irish Environmental Protection Agency AG1 and AG2 and IS EN 15259:2007 and Environment Agency (MCERTS) Performance Standard
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