



Accreditation Scope

Element Materials Technology ME Limited Abu Dhabi, NAL 058 Testing Laboratory, (ISO/IEC 17025:2017)

Plot 25 Umm Al Nar (Sas Al Nakhl), Abu Dhabi, UAE

Issue Date: 25-12-2021

Expiry Date: 24-12-2024

Issue No: 08

Testing Field	Materials/ Products tested	Type of test/ Test parameter/ Properties measured/Range of measurement	Test Method (Standard, Internal Procedure, Technique)	Permanent lab (P) / Client-site (S)
Environmental	Stack emissions	Total Particulate Matter - Sampling and monitoring 0-1000 mg/m ³	In-house method- EMT-M- OP-SA-MD003 Issue 8, 6 Dec 2021 based on US EPA Method 5:2020	S
	Stack emissions	PAHs - Sampling 0 - 1 mg/m ³	In-house method- EMT-M- OP-SA-MD003 Issue 8, 6 Dec 2021	S
	Stack emissions	Dioxins, Furans and PCB- Sampling 0-1 ng/m ³	In-house method- EMT-M- OP-SA-MD003 Issue 8, 6 Dec 2021 based on US EPA Method 23:2017	S
	Stack emissions	Heavy metals- As, Be, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Na, Ni, Pb, Mo, Se, V, Zn- Sampling 0-5 mg/m ³	In-house method- EMT-M- OP-SA-MD003 Issue 8, 6 Dec 2021 based on US EPA Method 29:2017	S
	Stack emissions	Hydrogen Chloride- Sampling 0-1000 mg/m ³	In-house method- EMT-M- OP-SA-MD003 Issue 8, 6 Dec 2021 based on US EPA Method 26A:2020	S
	Stack emissions	Hydrogen Fluoride- Sampling 0-200 mg/m ³	In-house method- EMT-M- OP-SA-MD003 Issue 8, 6 Dec 2021 based on US EPA Method 13B: 2017 and US EPA 26A:2020	S
	Stack emissions	Hydrogen Sulphide- Sampling 0-740 mg/m ³	In-house method- EMT-M- OP-SA-MD003 Issue 8, 6 Dec 2021 based on US EPA Method 11:2017	S



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Environmental	Stack emissions	Hydrogen cyanide- Sampling 0-10 mg/m ³	In-house method- EMT-M- OP-SA-MD003 Issue 8, 6 Dec 2021 based on US EPA OTM 29, March 2011	S
	Stack emissions	Ammonia- Sampling 0-2000 mg/m ³	In-house method- EMT-M- OP-SA-MD003 Issue 8, 6 Dec 2021 based on US EPA CTM 27:1997	S
	Stack emissions	Sulphur dioxide (Wet Chemistry)-Sampling 0-2000 mg/m ³	In-house method- EMT-M- OP-SA-MD003 Issue 8, 6 Dec 2021 based on US EPA Method 6:2017	S
	Stack emissions	Sulphur dioxide - Sampling and monitoring 0-3000 ppm	In-house method- EMT-M- OP-SA-MD001 Issue 8, 31 Mar 21 based on US EPA Method 6C:2017	S
	Stack emissions	Carbon Monoxide- Sampling and monitoring 0-5000 ppm	In-house method- EMT-M- OP-SA-MD001 Issue 8, 31 Mar 21 based on US EPA Method 10:2017	S
	Stack emissions	Carbon dioxide- Sampling and monitoring 0-20%	In-house method-EMT-M- OP-SA-MD001 Issue 8, 31 Mar 21 based on US EPA Method 3A:2017	S
	Stack emissions	Oxides of Nitrogen (as NO ₂)- Sampling and monitoring 0-2500 ppm	In-house method- EMT-M- OP-SA-MD001 Issue 8, 31 Mar 21 based on US EPA Method 7E:2018	S



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Environmental	Stack emissions	Oxygen - Sampling and monitoring 0-25%	In-house method-EMT-M- OP-SA-MD001 Issue 8, 31 Mar 21 based on US EPA Method 3A:2017	S
	Stack emissions	VOCs - Sampling and monitoring 0-10,000ppm	In-house method EMT-M- OP-SA-MD002 Issue 5, 29 Oct 2018 based on US EPA Method 25A:2017 using onsite FID instrument	P & S
	Stack emissions	Sulphur Dioxide, Carbon monoxide, Oxides of Nitrogen (as NO ₂), Oxygen CO - 0 - 10000 ppm - Sampling and monitoring SO ₂ - 0 - 5000ppm NO _x - 0 - 3000 ppm O ₂ - 0 - 25 %	In-house method- EMT-M- OP-SA-MD022 Issue 3, 29 Oct 2018, based on EMC Conditional Test Method (CTM 30):1997	P & S
	Ambient Air Quality/Ambient Environment	Carbon monoxide, Nitric oxide, Oxides of Nitrogen (NO/NO ₂), Sulphur Dioxide, Ozone - Sampling and monitoring SO ₂ - 0 - 200 ppb CO - 0 - 5 ppm NO _x - 0 - 2 ppm O ₃ - 0 - 200 ppb	In-house method- EMT-M- OP-AA-MD002 Issue 3, 29 Oct 2018, Using AQMesh Analyzer - Sampling and monitoring	P & S



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	Ambient Air Quality / Ambient Atmosphere	TSP, PM1, PM2.5, PM10- Sampling and monitoring 0-6000 ug/m ³	In-house method- EMT-M- OP-AA-MD003 Issue 5, 25 Oct 2020, Using Turnkey Nephelometric analyzers (Osiris & Topas)	P & S
	Ambient Environment/ Workplace	Noise - Sampling and monitoring	In-house method- EMT-M- OP-NO-MD001 Issue 6, 21 Mar 21 Using Sound level meter	P & S
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