Accreditation Scope

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

Plot 25 Sas Al Nakhl, Umm Al Naar Abu Dhabi, UAE , Abu Dhabi, United Arab Emirates

Issue Date: 10/02/2025 **Expiry Date: 24/12/2027**
Issue No: 5

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/m3	In-house method-EL-M-OP-SE-MD003 Issue 2, 30 Jul 2023 based on US EPA Method 5:2020	S
Environmental	Stack emissions	PAHs - Sampling 0 - 1 mg/m3	In-house method-EL-M-OP-SE-MD003 Issue 2, 30 Jul 2023	S
Environmental	Stack emissions	Dioxins, Furans and PCB- Sampling 0-1 ng/m3	In-house method-EL-M-OP-SE-MD003 Issue 2, 30 Jul 2023 based on US EPA Method 23:2017	S
Environmental	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/m3	In-house method-EL-M-OP-SE-MD003 Issue 2, 30 Jul 2023 based on US EPA Method 29:2017	S

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Environmental	Stack emissions	Hydrogen Chloride-Sampling 0-1000 mg/m3	In-house method-EL-M-OP-SE-MD003 Issue 2, 30 Jul 2023 based on US EPA Method 26A:2020	S
Environmental	Stack emissions	Hydrogen Fluoride-Sampling 0-200 mg/m3	In-house method-EL-M-OP-SE-MD003 Issue 2, 30 Jul 2023 based on US EPA Method 13B: 2017 and US EPA 26A:2020	S
Environmental	Stack emissions	Hydrogen Sulphide-Sampling 0-740 mg/m3	In-house method-EL-M-OP-SE-MD003 Issue 2, 30 Jul 2023 based on US EPA Method 11:2017	S
Environmental	Stack emissions	Hydrogen cyanide-Sampling 0-10 mg/m3	In-house method-EL-M-OP-SE-MD003 Issue 2, 30 Jul 2023 based on US EPA OTM 29, March 2011	S

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Environmental	Stack emissions	Ammonia-Sampling 0-2000 mg/m3	In-house method-EL-M-OP-SE-MD003 Issue 2, 30 Jul 2023 based on US EPA CTM 27:1997	S
Environmental	Stack emissions	Sulphur dioxide (Wet Chemistry)-Sampling 0-2000 mg/m3	In-house method-EL-M-OP-SE-MD003 Issue 2, 30 Jul 2023 based on US EPA Method 6:2017	S
Environmental	Stack emissions	Sulphur dioxide - Sampling and monitoring 0-3000 ppm	In-house method-EL-M-OP-SE-MD001 Issue 3, 25Apr24 based on US EPA Method 6C:2017	S
Environmental	Stack emissions	Carbon Monoxide-Sampling and monitoring 0-5000 ppm	In-house method-EL-M-OP-SE-MD001 Issue 3, 25Apr24 based on US EPA Method 10:2017	S
Environmental	Stack emissions	Carbon dioxide-Sampling and monitoring 0-20%	In-house method-EL-M-OP-SE-MD001 Issue 3, 25Apr24 based on US EPA Method 3A:2017	S

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Environmental	Stack emissions	Oxides of Nitrogen (as NO2)-Sampling and monitoring 0-2500 ppm	In-house method-EL-M-OP-SE-MD001 Issue 3, 25Apr24 based on US EPA Method 7E:2018	S
Environmental	Stack emissions	Oxygen - Sampling and monitoring 0-25%	In-house method-EL-M-OP-SE-MD001 Issue 3, 25Apr24 based on US EPA Method 3A:2017	S
Environmental	Stack emissions	VOCs - Sampling and monitoring 0-10,000ppm	In-house method-EL-M-OP-SE-MD002 Issue 2, 30 May 2023 based on US EPA Method 25A:2017 using onsite FID instrument	S
Environmental	Stack emissions	Sulphur Dioxide, Carbon monoxide,Oxides of Nitrogen (as NO2), Oxygen CO - 0 - 10000 ppm - Sampling and monitoring SO2 - 0 - 5000ppm NOx - 0 - 3000 ppm O2 - 0 - 25 %	In-house method-EL-M-OP-SE-MD002 Issue 2, 30 May 2023 based on EMC Conditional Test Method (CTM 30):1997	S

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Environmental	Ambient Air Quality/Ambient Environment	Carbon monoxide, Nitric oxide, Oxides of Nitrogen (NO/NO2),Sulphur Dioxide, Ozone - Sampling and monitoring SO2 - 0 - 200 ppb CO - 0 - 5 ppm NOx - 0 - 2 ppm O3 - 0 - 200 ppb	In-house method-EL-M-OP-AA-MD002 Issue 2, 30 Jul 2023 Using AQMesh Analyzer - Sampling and monitoring	S
Environmental	Ambient Air Quality/Ambient Athmosphere	TSP, PM1, PM2.5, PM10- Sampling and monitoring 0-6000 ug/m3	In-house method- - EL-M-OP-AQ-MD003 Issue 1, 28 Dec 2022, Using Turnkey Nephelometric analyzers (Osiris & Topas)	S
Environmental	Ambient Environment/Workplace	Noise - Sampling and monitoring	In-house method-EL-M-OP-NO-MD001 Issue 3, 12Jun24 Using Sound level meter	S
Chemical	Drinking Water	pH	APHA/AWWA 4500-H+B, 24th edition; in-house method EL-M-OP-CH-TWL-MD301 (issue 3, dated: 14Oct24)	P

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Chemical	Drinking Water	Alkalinity	APHA/AWWA 2320B, 24th edition; in-house method EL-M-OP-CH-TWL-MD210 (issue 3, dated: 01Oct24)	P
Chemical	Drinking Water	Calcium & Calcium Hardness (as Calcium Carbonate) in Water	APHA/AWWA 3500-Ca B,24th edition; in-house method EL-M-OP-CH-TWL-MD211A (issue 3, dated: 01Oct24)	P
Chemical	Drinking Water	Electrical Conductivity	APHA/AWWA 2510, 24th edition; in-house method EL-M-OP-CH-TWL-MD201 (issue 3, dated: 01Oct24)	P
Chemical	Drinking Water	Turbidity	APHA/AWWA 2130A, 24th edition; in-house method EL-M-OP-CH-TWL-MD203 (issue 3, dated: 01Oct24)	P

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Chemical	Drinking Water	Total Residual chlorine	APHA/AWWA 4500-Cl G, 24th edition; in-house method EL-M-OP-CH-TWL-MD206 (issue 3, dated: 01Oct24)	P
Chemical	Drinking Water	Total Hardness (as Calcium Carbonate) in Water	APHA/AWWA 2340C, 24th edition; in-house method EL-M-OP-CH-TWL-MD211 (issue 3, dated: 01Oct24)	P
END				

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