

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

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| 4279 Accredited to ISO/IEC 17025:2017 | Element Materials Technology Environmental UK Limited | |
| | Issue No: 066 Issue date: 04 November 2020 | |
| | Unit C 6 Emery Court The Embankment Business Park Heaton Mersey Stockport SK4 3GL | Contact: Mr Phil Waters Tel: +44 (0)161 432 3286 (+44 (0)7811 106 816) Fax: +44 (0)161 432 3689 E-Mail: phil.waters @element .com Website: www. element .com |
| Testing performed by the Organisation at the locations specified below | | |

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DETAIL OF ACCREDITATION

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|--|--|---|---------------|
| Testing of Stack Emissions to Atmosphere | <u>Sampling with subsequent analysis by an ISO/IEC 17025 Accredited Laboratory</u> | National, European, International and Environment Agency specified standards including MIDs and Documented In-House work instructions to meet the requirements of the Environment Agency (MCERTS) Performance Standard and BS EN 15259:2007 | |

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| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---------------|
| Testing of Stack Emissions WR \$ W P R V S K H U H | <u>Sampling and On-Line Analysis</u> F R Q W ¶ G | National, European, International and Environment Agency specified standards including MIDs and Documented In-House work instructions to meet the | |

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| Testing of Stack Emissions WR \$ W P R V S K H U H | <u>Sampling and On-Line Analysis</u> F R Q W ¶ G Nitrogen Dioxide (NO ₂) g | National, European, International and Irish Environmental Protection Agency specified standards and Documented In-House work instructions to meet the requirements of Irish Environmental Protection Agency Publications AG1 and AG2 and IS EN 15259:2007 IS EN 14792:2017 including Environment Agency (England) MID 14792 (CAT-TP-32 - Chemiluminescent analyser) Environment Agency (England) TGN M22 22 | |

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| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
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| Testing of Stack Emissions WR \$ W P R V S K H U H | <u>Sampling and On-Line Analysis</u> F R Q W ¶ G | National, European, International and Irish Environmental Protection Agency specified standards and Documented In-House work instructions to meet the requirements of Irish Environmental Protection Agency Publications AG1 and AG2 and IS EN 15259:2007 | All |
| | Oxygen g | IS EN 14789:2017 (CAT-TP-21 - Validated Zirconium cell analyser) (CAT-TP-22 - Validated Zirconium cell analyser) (CAT-TP-25 - Paramagnetic analyser) (CAT-TP-33 - Paramagnetic analyser) (CAT-TP-39 - Paramagnetic analyser) | |
| | Total Gaseous Organic Carbon (TOC / VOC) (0 to 1000 mg/m³) | IS EN 12619:2013 (CAT-TP-20 - FID Analyser) | |
| | Halides and Halogens g Speciated VOCs g Other inorganic gases g | Environment Agency (England) TGN M22 (CAT-TP-22b - FTIR analyser) | |
| The organisation holds a flexible scope of accreditation for these tests. Please contact the organisation for details of the individual gaseous compounds they can sample and analyse using this method. | | | |

g- The scale range of the analyser used for this test must meet the specific requirements specified in the Irish Environmental Protection Agency G R F X P AG2 Index of Preferred Methods

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Materials/Products tested

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| /\$ 1 ') , // 6 , 7 (6 F R Q ' | <u>Sampling of Landfill Gas for Subsequent Analysis by an ISO/IEC 17025 Accredited Laboratory</u> F R Q W ¶ G | Documented In-House Procedures Based on Environment Agency guidance document LFTGN04 | |

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| <p>ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES</p> <p>Filters Probe rinses (nitric acid) Impinger Solutions (nitric acid/hydrogen peroxide)</p> | <p><u>Chemical Testing</u></p> <p>Metals, specifically: Antimony Arsenic Beryllium Cadmium Caesium Chromium Cobalt Copper Gallium Iron Lead Manganese Nickel Selenium Strontium Thallium Tin Vanadium Zinc</p> | <p>National, European, International and Environment Agency specified standards including MIDs and Documented In-House work instructions to meet the requirements of the Environment Agency (MCERTS) Performance Standard for laboratories carrying out testing of samples from stack emissions monitoring</p> <p>BS EN 14385:2004 (In House Methods CAT-AP-08 and CAT-AP-09) by Microwave digestion followed by CVAFS</p> | <p style="text-align: center;">OS</p> |

Filters
Probe rinses (nitric acid)
Impinger Solutions (sulphuric acid/potassium)

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