

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>0665</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Health and Safety Executive - Science Division</h3> <p>Issue No: 051 Issue date: 09 September 2019</p>	
	<p>Testing & Monitoring Service Health and Safety Executive Science Division Harpur Hill Buxton Derbyshire SK17 9JN</p>	<p>Contact: Sample Reception Tel: +44 (0)203 028 3383 E-Mail: Registration.Sample@hse.gov.uk Website: www.hsl.gov.uk</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ASBESTOS FIBRES IN AIR	<u>Health and Hygiene</u> Fibre counting	Health and Safety Executive Asbestos: The analysts' guide for sampling, analysis and clearance procedures (HSG 248) HSG 248: February 2005 Membrane Filter Method using Phase Contrast Microscopy (PCM)
MAN MADE MINERAL FIBRES including CERAMICS	Fibre counting	MDHS 59/2: June 2014 Membrane Filter Method using Phase Contrast Microscopy (PCM)
ASBESTOS IN BULK MATERIALS including materials and products suspected of containing asbestos	Identification of: Amosite Chrysotile Crocidolite Fibrous Actinolite Fibrous Anthophyllite Fibrous Tremolite	HSG 248: February 2005 by Documented In-House Procedure No OP106 using stereo-microscopy, polarised light microscopy and dispersion staining
ASBESTOS IN SOILS	Identification of: Amosite Chrysotile Crocidolite Fibrous Actinolite Fibrous Anthophyllite Fibrous Tremolite	Documented in house method IFS OP106 based on HSG 248:2005 appendix 2 using polarised light microscopy



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FIBRES	<u>Health and Hygiene</u> (cont'd)	International and National Standards and In-House Methods as listed using Transmission Electron Microscopy (TEM) with Energy Dispersive X-Ray Analysis, (EDXA), Electron Diffraction (ED) and Image Analysis Techniques
Asbestos Fibres in Air	Identification, Counting, Dimensional and Mass Measurement	1) ISO 10312:1995 using TEM, ED and EDXA 2) ISO 13794:1999 using TEM, ED and EDXA
Asbestos Fibres in Liquids	Identification, Counting, Dimensional and Mass Measurement	1) ISO 13794:1999 using TEM, ED and EDXA 2) Method 100.1, EPA-600/4-83-043:1983 using TEM, ED and EDXA. 3) Method 100.2, EPA-600/R-94/134 using TEM, ED and EDXA
Asbestos Fibres in Solids, including: <ul style="list-style-type: none"> • Minerals • Soils, and • Asbestos Products 	Identification, Counting, Dimensional and Mass Measurement	Documented in-house method MF280 based on ISO 13794:1999 using TEM, ED and EDXA
Inorganic and other Fibres on Prepared Samples from Air, Liquids and Solids	Identification, Counting, Dimensional and Mass Measurement	Documented in-house methods MF280, MF274, MF293 based on ISO 13794:1999 using TEM, ED and EDXA
Asbestos and other Fibres in Lung Tissue Sections, Blocks and BAL Fluids	Identification, Counting and Dimensional Measurement	Documented in-house method MF257 based on ISO 13794:1999 using TEM, ED and EDXA



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<p>POLLUTANTS and EFFLUENTS: ATMOSPHERIC (Air samples collected on the following sampling media)</p> <p>Thermal desorption air sampling tubes</p>	<p><u>Chemical Tests</u></p> <p>Determination of Volatile Organic Compounds typically 0.002 - 300 µg in workplace and ambient air including: n hexane Benzene Toluene Ethylbenzene o-xylene m-xylene p-xylene MIBK Butyl acetate Cyclohexanone phenol 1,2,4 trimethylbenzene Limonene 4-phenylcyclohexene Dodecane Diacetyl</p>	<p>Documented in-house method OMS-001 using gas chromatography - thermal desorption based on MDHS 104, ISO 16017-1 and ISO 16017-2:2002</p>
Filters	<p>Determination of aldehydes: Formaldehyde Acetaldehyde</p>	<p>Documented in-house method OMS-006 using high performance liquid chromatography and UV detection, based on ISO 16000-3:2001</p>
Filters	Dust/particulates	MDHS 14/4 -Documented in house method IFS OP150
Filters	<p>Quantitation of: Mouse urinary allergens Mus m1 Rat urinary allergens Rat n1</p>	<p>Documented in-house method OPIMM18 using; ELISA methods (urinary proteins)</p>
ENVIRONMENTAL SWABS		
Wipes	<p>Quantitation of: Mouse urinary allergens Mus m1 Rat urinary allergens Rat n1</p>	<p>Documented in-house method OPIMM18 using; ELISA methods (urinary proteins)</p>



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HUMAN BODY FLUIDS	Measurement of:	
URINE	Aluminium Antimony Cadmium Chromium Cobalt Copper Lead Manganese Mercury Nickel Thallium	Documented in-house method BM OP01 by ICP/MS
	Creatinine	Documented in-house method No SOP 23 using a colorimetric method
	Isocyanate metabolites (HDA, TDA, IPDA AND MDA)	Documented in house method OT OP33 by GC-MS
BLOOD	Measurement of: Cadmium Lead	Documented in-house method BM OP01 using ICP/MS
PLASMA and RED BLOOD CELLS	Measurement of: Cholinesterase	Documented in-house method No SOP 26 using an enzymatic method

END