Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

0665

Accredited to ISO/IEC 17025:2017

Health and Safety Executive - Science Division

Issue No: 061 **Issue date:** 08 July 2024

Testing & Monitoring Service
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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	Health and Hygiene	Health and Safety Executive - Asbestos: The Analysts' Guide (HSG 248) – 2021
ASBESTOS FIBRES IN AIR	Fibre counting	Documented In-House Method FT OP101 , Membrane Filter Method using Phase Contrast Microscopy (PCM) based on HSG 248
ASBESTOS IN BULK MATERIALS including materials and products suspected of containing asbestos	Identification of: Amosite Chrysotile Crocidolite Fibrous Actinolite Fibrous Anthophyllite Fibrous Tremolite	Documented In-House Method No. OP106 using stereo-microscopy, polarised light optical microscopy and dispersion staining based on HSG 248

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FIBRES	Health and Hygiene (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 10312:2019 using TEM, ED and EDXA 2) ISO 13794:2019 using TEM, ED and EDXA
Asbestos Fibres in Liquids	Identification, Counting, Dimensional and Mass Measurement	1) ISO 13794:2019 using TEM, ED and EDXA 2) Method 100.1, EPA-600/4-83-043:2019 using TEM, ED and EDXA. 3) Method 100.2, EPA-600/R-94/134:2002 using TEM, ED and EDXA
Asbestos Fibres in Solids, including: • Minerals • Soils, and • Asbestos Products	Identification, Counting, Dimensional and Mass Measurement	Documented in-house method FT OP280 based on ISO 13794:2019 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 method FT OP280 based on ISO 13794:2019 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 FT OP257 based on ISO 13794:2019 using TEM, ED and EDXA

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS	Measurement of:	
Urine	Aluminium Antimony Cadmium Chromium Cobalt Copper Lead 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
END		