


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>Accredited to ISO/IEC 17025:2017</p>	Brunel University - Experimental Techniques Centre	
	Issue No: 015 Issue date: 08 January 2021	
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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
ASBESTOS FIBRES:	<u>Health and Hygiene</u>	Documented In-House Methods using Scanning Electron Microscopy (SEM), Transmission Electron Microscopy (TEM), Energy Dispersive X-Ray Analysis (EDXA), X-Ray Diffraction (XRD) and Fourier Transform Infra Red Spectroscopy (FTIR)
IN AIR (filters)	Fibre counting and identification	SOP 1 based on MDHS 87 (1998) and ISO 14966 (2002) using SEM and EDXA
IN WIPE SAMPLES	Identification	SOP 2 using SEM and EDXA
IN DUST	Identification	SOP 3 using SEM and EDXA
ASBESTOS IN BULK MATERIALS AND POWDER SAMPLES including materials and products suspected of containing asbestos	Identification and quantification of: Amosite Chrysotile Crocidolite Actinolite Anthophyllite Tremolite	SOP 17 using SEM and TEM. Based on ISO10312:2019 and ISO22262-2:2014



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DUST and OTHER NON BIOLOGICAL SOLID MATERIALS POWDERS AND FLAT SAMPLES (Polymers) SOLIDS, LIQUIDS AND POWDERS	Identification of elements between sodium (Z=11) to uranium (Z=92) Quantitative elemental analysis (from sodium (Z=11) to uranium (Z=92)) Identification of Crystalline phases Qualitative analysis by functional group identification (4000 to 400 cm ⁻¹)	SOP 7 using SEM/Energy Dispersive X-Ray Microprobe Analysis SOP 8 using SEM/Energy Dispersive X-Ray Microprobe Analysis (based on ISO 22309:2011) SOP 16 by XRD (ISO BS:EN 13925) SOP 14 by FTIR
END		