


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>2245</b>  Accredited to <b>ISO/IEC 17025:2017</b>	<b>Brunel University - Experimental Techniques Centre</b>  <b>Issue No: 016    Issue date: 31 March 2025</b>	
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<b>Testing performed at the above address only</b>		

### 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 classification of: Chrysotile Amphibole	SOP 1, SOP 12 based on ISO 14966 (2019) using SEM and EDXA
IN DUST AND WIPE SAMPLES	Identification of: Amosite Chrysotile Crocidolite Actinolite Anthophyllite Tremolite	SOP 3, SOP 12 using SEM and EDXA



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ASBESTOS IN BULK MATERIALS, AIR, LIQUID 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
DUST and OTHER NON BIOLOGICAL SOLID MATERIALS	Qualitative elemental analysis of elements between boron (Z=5) to uranium (Z=92) and quantitative for boron, nitrogen & between sodium (Z=11) to uranium (Z=92)	SOP 7 using SEM/Energy Dispersive X-Ray Microprobe Analysis (based on ISO 22309:2011)
SOLID MATERIALS AND POWDERS	Identification of Crystalline phases	SOP 16 by XRD (ISO BS:EN 13925)
SOLIDS, LIQUIDS AND POWDERS	Qualitative analysis by functional group identification (4000 to 400 cm <sup>-1</sup> )	SOP 14 by FTIR
END		