


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 0374 Accredited to ISO/IEC 17025:2017	IOM Consulting Ltd	
	Issue No: 062 Issue date: 17 March 2022	
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Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address Research Avenue North Riccarton Edinburgh EH14 4AP	Local contact Ms Carol McIntosh Tel: +44 (0)131 449 8000 Fax: +44 (0)131 449 8084 Email: carol.mcintosh@iom-world.org Website: www.iom-world.org	Health and Hygiene Asbestos Environmental Sampling/Testing Personal Protective Equipment A
Address Suite 50-54 Brookside Business Park Cold Meece Stone Staffordshire ST15 0RZ	Local contact Ms Lynn Rogers Tel: +44 (0)1785 333 200 Fax: +44 (0)1785 333 228 Email: lynn.rogers@iom-world.org Website: www.iom-world.org	 E

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Client Premises Edinburgh	Health and Hygiene Environmental Sampling	B
Client Premises Stone	Health and Hygiene	F



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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
ASBESTOS FIBRES IN AIR	<u>Health and Hygiene Tests</u> Fibre counting	Health and Safety Executive - Asbestos: The Analysts' Guide (HSG 248) – 2021 and Methods for the Determination of Hazardous Substances in the series MDHS Documented In-House Method IM9, Membrane Filter Method using Phase Contrast Microscopy (PCM) based on HSG 248	A
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 IM4 – Asbestos Identification by phase contrast optical microscopy and polarised light microscopy using stereo-microscopy, polarised light optical microscopy and dispersion staining based on HSG 248	A
ASBESTOS IN SOILS – The Identification of Asbestos fibres in bulk samples of Soil, <i>specifically: Soil Aggregate</i>	Identification of: Amosite Chrysotile Crocidolite Fibrous Actinolite Fibrous Anthophyllite Fibrous Tremolite	Documented In-House Method (IM14 – Qualitative and Quantative Analysis of Asbestos in Soils and Loose Aggregates) using stereo-microscopy, polarised light optical microscopy and dispersion staining based on HSG 248	A
ASBESTOS IN SOILS – The Identification and Quantification of Asbestos fibres in bulk samples of Soil, <i>specifically: Soil Aggregate, Mineral Powders</i>	Identification and Quantification of Asbestos content of: Amosite Chrysotile Crocidolite Fibrous Actinolite Fibrous Anthophyllite Fibrous Tremolite	Documented In-House Method (IM14 – Qualitative and Quantative Analysis of Asbestos in Soils and Loose Aggregates) for identification using stereo-microscopy, polarised light optical microscopy and dispersion staining based on HSG 248. Documented In-House Method (IM14 – Qualitative and Quantative Analysis of Asbestos in Soils and Loose Aggregates) for quantification of asbestos.	A
MAN MADE MINERAL FIBRES including CERAMICS in AIR	Fibre counting	Documented In-House Method (IM 9) based on MDHS 59/2:2014	A, B



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ASBESTOS and OTHER FIBRES derived from ASBESTOS PRODUCTS, FIBRES and DUSTS, AIR, WIPE SAMPLES (SEM)	<u>Health and Hygiene Tests</u> (cont'd)		
	Counting and identification of asbestos fibres in air and bulk materials	Documented In-House Method IM1 based, ISO 14966:2019 using SEM and EDXS	A
	Identification of Refractory Ceramic Fibres via electron microscopy	Documented In-House Method (IM1) based on ISO14966:2019 using SEM and EDXS	A
	<u>Sampling</u>		
	Sampling of inhalable and respirable airborne dust for subsequent laboratory analysis	Documented In-House Method (IM10) based on MDHS 14/4:2014	B, F
	Sampling of airborne dust and fumes for the subsequent evaluation of metal oxide	Documented In-House Method (IM10) based on MDHS 14/4:2014 and BS EN ISO 10882-1:2011	B, F
	Sampling of inhalable airborne dust and fumes for the subsequent evaluation of metal concentrations	Documented In-House Method (IM 10) based on MDHS 14/4:2014	B, F
DUSTS AND PARTICULATES	Sampling of inhalable airborne dust and fumes for the subsequent evaluation of lead	Documented In-House Method (IM 10) based on MDHS 14/4:2014	B, F
	Sampling of respirable quartz and cristobalite	Documented In-House Method (IM10) based on modified HSE Method MDHS 14/4:2014	B, F
	<u>Analysis</u>		
	Respirable and total inhalable dust	Documented In-House Gravimetric Method (IM2) based on MDHS 14/4:2014	A
	Respirable quartz	Documented In-House Method (IM 2) based on MDHS 101/2:2014 using FT-IR spectroscopy	A
Airborne dust samples			



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	<u>Health and Hygiene Tests</u> (cont'd)		
	<u>Analysis</u> (cont'd)		
DUSTS AND PARTICULATES (cont'd)	Respirable quartz and cristobalite	Documented In-House Method (IM 2) based on MDHS 101/2:2014 using X-ray diffraction spectroscopy	A
Bulk dust samples	Quartz and cristobalite	Documented In-House Method (IM2) based on reference standards drift correction and a calibration for calculating unknown concentrations using X-Ray diffraction spectroscopy	A
Airborne dust samples, bulk samples, wipe samples, aqueous extracts	Determination of: Ag, Al, As, Au, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Hf, In, K,La, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Pt, Sb, Se, Sn, Sr, Te, Ti, Tl, V, W, Y, Zn, Zr	Documented In-House Method (IM7) using inductively coupled plasma - atomic emission spectrometry (ICP-AES), based on NIOSH Method 7300 (ICP-SOP2) and OSHA Method ID-121 (ICP-SOP3)	A
Dust, fume and bulk sample Filters (AA2 (25mm), GL2 (25mm) GL3 (37mm) and GF2 (25mm))	Metal oxides of: As, Cd, Co, Cr, Cu, Fe, Mn, Ni, Pb, Sb, Sn, V, Zn	Documented In-House Method (IM7,ICP-SOP1) using ICP/AES	A
WORKPLACE & AMBIENT AIR MONITORING	<u>Sampling</u>		
GASES AND VAPOURS	Gases and vapours using passive sampling badges	Documented In-House Method IM10 based on MDHS 88 & MDHS 102	B, F
	Gases and vapours using sorbent tubes	Documented In-House Method IM10 based on MDHS 96	B, F



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<p>POLLUTANTS AND EFFLUENTS (ATMOSPHERIC): FUMES, MISTS, GASES AND VAPOURS</p> <p>Diffusive sampling badges</p>	<p><u>Chemical Tests</u></p> <p><u>Determination of:</u> Benzene Ethyl benzene Styrene Tetrachloroethene Trichloroethene Toluene Xylene n-Hexane n-Butyl acetate</p>	<p>Documented In-House Method-(IM8) using GC-FID based on MDHS 88:1997</p>	A
<p>Charcoal Sorbent Tubes</p>	<p><u>Determination of:</u> 1,3-Dioxolane 1,4-Dioxane Benzene Ethyl benzene Styrene Tetrachloroethene Toluene Trichloroethene Xylene n-Hexane n-Butyl acetate</p>	<p>Documented In-House Method-(IM8) using GC-FID based on MDHS 96:2000</p>	A
<p>Air filters (solder fume)</p>	<p>Total resin acids in rosin (colophony) solder flux fume as Abietic Acid</p>	<p>Documented In-House Method (IM8) using GC-FID, based on MDHS 83-3:2015</p>	A



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<p>POLLUTANTS AND EFFLUENTS (ATMOSPHERIC): FUMES, MISTS, GASES AND VAPOURS (cont'd)</p> <p>Air filters, impinger solutions</p>	<p><u>Chemical Tests</u> (cont'd)</p> <p>Determination of: Organic isocyanates Diisocyanates</p> <ul style="list-style-type: none"> 1,6-hexamethylene diisocyanate (HDI), toluene-2,6-diisocyanate (2,6-TDI) and; toluene-2,4-diisocyanate (2,4-TDI) <p>Isocyanates</p> <ul style="list-style-type: none"> methylene bisphenyl isocyanate (MDI) 	<p>Documented In-House Method (IM11) using high performance liquid chromatography with UV and EC detection, based on MDHS 25/4:2014</p>	A
<p>Diffusive Badges, sorbent tubes or filters</p>	<p>Formaldehyde and glutaraldehyde</p>	<p>Documented In-House Method (IM11) using HPLC/UV, based on MDHS 102: 2010</p>	A
<p>PERSONAL PROTECTIVE EQUIPMENT</p>	<p><u>Physical Properties</u></p>	<p>Testing for the purposes of conformance with Regulation (EU) 2016/425 in respect of the following specifications:</p>	A
<p>Protective clothing for use against radioactive contamination</p>	<p>Total Inward Leakage Visual Inspection</p>	<p>BS EN 1073-2:2002</p>	A
<p>Protective clothing for use against solid particulate chemicals</p>	<p>Total Inward Leakage Visual Inspection</p>	<p>BS EN ISO 13982-2:2004 to meet the requirements of EN 13982-1:2004 section 4.3 for Type 5 suits</p>	A



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PERSONAL PROTECTIVE EQUIPMENT (Cont'd)	<u>Physical Properties</u> (cont'd)	Testing for the purposes of conformance with Regulation (EU) 2016/425 in respect of the following specifications:	A
Protective clothing for use against chemicals	Resistance to liquid spray penetration (spray test)	ISO 17491-4:2008 +A1:2016 methods A & B; to meet the requirements of EN 13034:2005 + A1:2009, section 5, for Type 6 suits and EN 14605:2005 + A1:2009, section 4.3 for Type 3 (liquid tight) and Type 4 (spray tight)	A
	Determination of resistance to penetration by a jet of liquid (jet test)	BS EN ISO 17491-3 to meet the requirements of EN 14605:2005 + A1:2009, section 4.3	A
END			