


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>0374</b></p> <p>Accredited to <b>ISO/IEC 17025:2017</b></p>	<p><b>IOM Consulting Ltd</b></p> <p><b>Issue No: 060    Issue date: 15 February 2021</b></p>	
	<p><b>Research Avenue North</b> <b>Riccarton</b> <b>Edinburgh</b> <b>EH14 4AP</b></p>	<p><b>Contact: Ms Carol McIntosh</b> <b>Tel: +44 (0)131 449 8000</b> <b>Fax: +44 (0)131 449 8084</b> <b>E-Mail: carol.mcintosh@iom-world.org</b> <b>Website: www.iom-world.org</b></p>
<p><b>Testing performed by the Organisation at the locations specified below</b></p>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code
<p><b>Address</b> Research Avenue North Riccarton Edinburgh EH14 4AP</p> <p><b>Local contact</b> 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</p>	<p>Health and Hygiene</p> <p>Environmental Sampling/Testing</p> <p>Personal Protective Equipment</p>	A
<p><b>Address</b> Suite 50-54 Brookside Business Park Cold Meece Stone Staffordshire ST15 0RZ</p> <p><b>Local contact</b> 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</p>	<p>Health and Hygiene</p>	E

#### Site activities performed away from the locations listed above:

Location details	Activity	Location code
<p>Premises including domestic, commercial and industrial</p> <p style="text-align: center;">Edinburgh</p>	<p>Health and Hygiene</p> <p>Environmental Sampling</p>	B
<p>Premises including domestic, commercial and industrial</p> <p style="text-align: center;">Stone</p>	<p>Health and Hygiene</p>	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
AIRBORNE MICROBIOLOGICAL ORGANISMS in hospital operating theatre suites and hospital sterile service clean rooms	<u>Microbiology</u>  <u>Sampling</u>  Sampling of air for subsequent determination of colony forming units	Documented In-house method (IM13) based on Hospital Infection Society - 2001; Working Party Report - Microbiological Commissioning and Monitoring of Operating Theatre Suites	F
AIRBORNE MICROBIOLOGICAL ORGANISMS in hospital operating theatre suites, hospital sterile service clean rooms, pharmacy suites, hospital and indoor office or residential and occupational environments	<u>Microbiology</u>  Enumeration of TSA agar and contact plates for the purpose of reporting a total microbial count following a combined incubation at: <ul style="list-style-type: none"> <li>• 37°C for 24h followed by 22°C for 24h</li> <li>• 37°C for 48h</li> </ul>	Documented In-house method SOP 2 based on Hospital Infection Society - 2001; Working Party Report - Microbiological Commissioning and Monitoring of Operating Theatre Suites  Documented In-house method	E
Air-sampled agar plates and surface-sampled contact plates	Enumeration of SDA agar and contact plates for the purpose of reporting a total microbial count following a combined incubation at: <ul style="list-style-type: none"> <li>• 22°C for up to 7 days</li> <li>• 37°C for 48h</li> </ul>	Documented In-house method SOP 2 based on the NHS Pharmaceutical Quality Assurance Committee Incubation regimes for Microbiological Media  Documented In-house method	E



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ASBESTOS IN BULK MATERIALS including materials and products suspected of containing asbestos	<u>Health and Hygiene Tests</u>  Identification of: Amosite Chrysotile Crocidolite Fibrous Actinolite Fibrous Anthophyllite Fibrous Tremolite	Health and Safety Executive Asbestos: The analysts' guide for sampling, analysis and clearance procedures (HSG 248) and Methods for the Determination of Hazardous Substances in the series MDHS  HSG 248:February 2005 by 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	A
ASBESTOS IN SOILS (fibre screening and identification)	Asbestos Fibre Screening and Identification of: Amosite Chrysotile Crocidolite Fibrous Actinolite Fibrous Anthophyllite Fibrous Tremolite	Documented In-House Method (IM14 – Qualitative and Quantitative Analysis of Asbestos in Soils and Loose Aggregates) using stereo-microscopy, polarised light optical microscopy and dispersion staining	A
ASBESTOS IN SOILS/ AGGREGATES/MINERAL POWDERS (fibre screening, identification and quantification)	Asbestos Fibre Screening/ Identification & Quantification of asbestos content (Amosite, Chrysotile, Crocidolite, Fibrous Actinolite, Fibrous Anthophyllite, Fibrous Tremolite)	Documented In-House Method (IM14– Qualitative and Quantitative Analysis of Asbestos in Soils and Loose Aggregates) using polarised light optical microscopy and dispersion staining, gravimetric analysis and fibre counting/sizing via phase contrast optical microscopy	A
ASBESTOS FIBRES IN AIR	Fibre counting	HSG 248:February 2005 Membrane Filter Method using Phase Contrast Microscopy	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 based on HSG 248:2005, ISO 14966:2002 and AIA RTM2 using SEM and EDXS	A
	Identification of Refractory Ceramic Fibres via electron microscopy	Documented In-House Method (IM1) based on ISO14966:2002 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
Insulation boards - respirable dust	Respirable quartz	Documented In-House Method (IM2) based on modified HSE method MDHS 101/2:2014 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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POLLUTANTS AND EFFLUENTS (ATMOSPHERIC): FUMES, MISTS, GASES AND VAPOURS	<u>Chemical Tests</u>		
Diffusive sampling badges	<u>Determination of:</u> Benzene Ethyl benzene Styrene Tetrachloroethene Trichloroethene Toluene Xylene n-Hexane n-Butyl acetate	Documented In-House Method-(IM8) using GC-FID based on MDHS 88:1997	A
Charcoal Sorbent Tubes	<u>Determination of:</u> 1,3-Dioxolane 1,4-Dioxane Benzene Ethyl benzene Styrene Tetrachloroethene Toluene Trichloroethene Xylene n-Hexane n-Butyl acetate	Documented In-House Method-(IM8) using GC-FID based on MDHS 96:2000	A
Air filters (solder fume)	Total resin acids in rosin (colophony) solder flux fume as Abietic Acid	Documented In-House Method (IM8) using GC-FID, based on MDHS 83-3:2015	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"> <li>1,6-hexamethylene diisocyanate (HDI),</li> <li>toluene-2,6-diisocyanate (2,6-TDI) and;</li> <li>toluene-2,4-diisocyanate (2,4-TDI)</li> </ul> <p>Isocyanates</p> <ul style="list-style-type: none"> <li>methylene bisphenyl isocyanate (MDI)</li> </ul>	<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			