

HEALTH & SAFETY LABORATORY



FIBRES & DUSTS ROUTINE ASSAYS

TEST OR ASSAY		METHOD	PRICE PER SAMPLE	FILTERS OR BULK MATERIAL	SAMPLE VOLUME	TURNAROUND (from receipt of samples + correct paperwork)	NOTES
1	Gravimetric (Dust collected on filters) ^{1 3*}	MDHS 14/4	£36.00	GFA filters	N/A	10 working days	Gravimetric Request form must be used. Sampling heads can be supplied if required but there may be a limit on the number available.
2	Quantitative analysis of fibres in air (PCM Fibre Count) ^{2,3*}	HSG 248 Appendix 1 WHO Counting rules	£60.00	Gridded MCE filters	N/A	10 working days	Includes cowls and supplied by HSL if required
3	Quantitative analysis of asbestos fibres in air*	Transmission Electron Microscopy (TEM) ISO 13794	£580.00	Gridded MCE filter	N/A	15 working days	
4	Quantitative analysis of asbestos fibres in lungs* †	TEM In-house method based on ISO 13794	£650.00##	Lung tissue	100 grams	15 working days	Additional charges may apply if extensive sample preparation is required. ## If lung samples require de-waxing then £160.00 additional charge will apply.
5	Quantitative analysis of asbestos fibres in water or bulk materials*	TEM In-house method based on ISO 13794	£620.00	Water or bulk material	500ml	15 working days	If the material requires special preparation methods to analyse or extended analysis of fibres and cleavage fragments is required then extra costs may be incurred. Please contact the Fibres Team Service Manager if you have any questions.
6	Quantitative analysis refractory ceramic fibres (RCF) in catalytic converters*	TEM In-house method based on ISO 13794	£200.00	Bulk material	Approx. 16 cm ³	10 working days	If the whole converter is being sent it must be de-canned.
7	Asbestos in bulk materials	Polarised Light Microscopy (PLM) HSG 248	£140.00 + £80.00 per additional sample	Bulk	<100 grams	10 working days	Sample must be double bagged and labelled appropriately
8	Asbestos in bulk materials*	PLM In-house method based on HSG 248 Appendix 2	£106.00	Soil	1 litre	10 working days	Sample must be double bagged and labelled appropriately
9	Water Absorption (Includes PLM analysis)	Asbestos Essentials (Water Absorption)	£106.00	Bulk	Min size 3x3 cms	10 working days	Sample must be double bagged and labelled appropriately

10	Dustiness Testing & Moisture Content	In-house (Based on BS EN 15051:2013)	£770.00 + £465.00 per additional sample	All Bulk Types (Except Soil)	350 mls	15 working days	Material Safety Data Sheet required
11	Dustiness Testing, Asbestos releasability in Soil – includes gravimetric & PCM Fibre Count	In-house (Based on BS EN 15051:2013)	£820.00 + £515.00 per additional sample	Soil	500 mls	15 working days	Sample must be double bagged and labelled appropriately
12	Dustiness Test for respirable crystalline silica	In-house (Based on BS EN 15051:2013)	£567.00 + £360.00 per additional sample	All Bulk Types (Except Soil)	350 mls	15 working days	Material Safety Data Sheet required
13	HSE Test Slide Re-evaluation	In-house method using reference test slide	£106.00	N/A	N/A	15 working days	Re-evaluation of test slides should be carried out if there is a reason to believe they have been damaged or deteriorated through use.
14	Alpha Quartz - Respirable Crystalline Silica ³	X-ray Diffraction	£752.00 (up to 5 samples incl blanks) + £56.00 per additional sample	25mm PVC Filter (Sampler dependent)	N/A	15 working days	25mm PVC Filter can be supplied at £25 for 10 filters
15	Cristobalite (in conjunction with Alpha quartz above) ³	X-ray Diffraction	£274.00 (up to 5 samples incl blanks) + £56.00 per additional sample	25mm PVC Filter (Sampler dependent)	N/A	15 working days	25mm PVC Filter can be supplied at £25 for 10 filters
16	Qualitative analysis of crystalline + amorphous components	X-ray Diffraction + Rietveld	£357.00 + £278.00 per additional sample	Bulk material	1 gramme	15 working days	
17	Hydroxyapatite (In house method)	X-ray Diffraction	£220.00	Bulk material	1 gramme	15 working days	
18	Hydroxyapatite (ISO13779)	X-ray Diffraction	£318.00	Bulk material	1 gramme	15 working days	
19	Hydroxyapatite + other calcium phosphates	X-ray Diffraction + Rietveld	£318.00	Bulk material	1 gramme	15 working days	

* UKAS accredited; † VAT does not apply

N/A: Not Applicable

¹A gravimetric request form (EM3) must be submitted before pre-weighed filters can be sent out. Filters will be sent within 3 days of a request being submitted. An appropriate number of lab blanks will be weighed with each order for no additional cost. Site blanks should be included by customers in their request, and these will be charged at the same rate as other filters.

² If HSL is providing the filters 1 blank per batch of filters will be sent to be used in this analysis. There will be no additional cost.

³A minimum order of 5 samples applies.

All sampling media must be returned. A charge will be made for any sampling media not returned.