



Report
Round 11

October 2016



Asbestos in Soils Scheme

Asbestos in Soils Scheme (AISS)

BACKGROUND

This report covers Round 11 of the Asbestos in Soils Scheme (AISS). Round 11 was open to laboratories worldwide. Laboratory participation was as follows: 32 UK, 14 EU and 3 RoW.

SAMPLES

Two samples were circulated as follows:

Sample S021 – This soil sample contained soil, sand, cement, plaster and organic fibres. No asbestos was added to the sample.

Sample S022– This sample contained free chrysotile fibres (loose fibre and in clumps) at 0.066% by weight. Each sample was individually made by mixing known weights of chrysotile and soil. The sample also contained sand, cement and plaster.

INFORMATION SUBMITTED BY LABORATORIES

Laboratories used the HSL web-based PT data entry system to submit their results for this round. Results were submitted as asbestos type(s) present and for the Quantitative option, the % asbestos in ACM's, as loose fibres and the total % asbestos.

RESULTS OVERVIEW

AISS Quantitative

Thirty-eight laboratories submitted quantitative results;

- 32 (84%) laboratories achieved a z-score of $< \pm 2$,
- 4 (11%) laboratory achieved a z-score of between $\pm 2 - \pm 3$,
- 2 (5%) laboratories achieved a z-score of $> \pm 3$

AISS Qualitative

Sample 021 – Forty-eight laboratories correctly reported no asbestos. One laboratory did not submit results.

Sample 022 – Forty-six laboratories correctly identified chrysotile. One laboratory also identified amosite and one reported amosite only. One laboratory did not submit results.

AISS Qualitative & Quantitative Scheme

HSL PT Lab No	Sample 021	Sample 022		
	Assigned Result No Asbestos	Assigned Result Chrysotile	Quantitative Result 0.066%	z score
7	No Asbestos	Chrysotile	0.065	-0.03846
766	No Asbestos	Chrysotile	0.00033	-2.52577
803	No Asbestos	Chrysotile	0.1012	1.353846
807	No Asbestos	Chrysotile	0.039	-1.03846
835	No Asbestos	Chrysotile	NRS	
869	No Asbestos	Chrysotile	0.07	0.153846
885	No Asbestos	Chrysotile	0.003	-2.42308
892	No Asbestos	Chrysotile	NRS	
998	No Asbestos	Chrysotile	0.0933	1.05
1096	No Asbestos	Chrysotile	0.0542	-0.45385
1161	No Asbestos	Chrysotile	0.0895	0.903846
1181	No Asbestos	Chrysotile	0.06	-0.23077
1184	No Asbestos	Chrysotile	NRS	
1258	No Asbestos	Chrysotile	0.074	0.307692
1277	No Asbestos	Chrysotile	0.11	1.692308
1294	No Asbestos	Chrysotile	0.07	0.153846
1308	No Asbestos	Chrysotile	0.08	0.538462
1329	No Asbestos	Chrysotile	0.0602	-0.22308
1342	No Asbestos	Chrysotile	0.09	0.923077
1352	No Asbestos	Chrysotile	NRS	
1357	No Asbestos	Chrysotile	0.135	2.653846
1365	No Asbestos	Chrysotile	0.02	-1.76923
1407	No Asbestos	Chrysotile	0.085	0.730769
1450	No Asbestos	Chrysotile	0.02	-1.76923
1457	No Asbestos	Chrysotile	0.06	-0.23077
1469	No Asbestos	Chrysotile	NRS	
1495	No Asbestos	Chrysotile	0.09	0.923077
1562	No Asbestos	Chrysotile	NRS	
1579	No Asbestos	Chrysotile	0.065	-0.03846

1582	No Asbestos	Chrysotile	NRS	
1583	No Asbestos	Chrysotile	0.06	-0.23077
1633	No Asbestos	Chrysotile	0.07	0.153846
1670	No Asbestos	Chrysotile	0.03	-1.38462
1680	No Asbestos	Chrysotile	0.07	0.153846
1711	No Asbestos	Chrysotile	0.0471	-0.72692
1728	No Asbestos	Chrysotile	NRS	
1743	No Asbestos	Chrysotile	0.08	0.538462
1753	No Asbestos	Chrysotile	0.061	-0.19231
1774	NRS	NRS	NRS	
1814	No Asbestos	Chrysotile	0.04	-1
1825	No Asbestos	Chrysotile	0.064	-0.07692
1840	No Asbestos	Chrysotile	NRS	
1889	No Asbestos	Chrysotile	NRS	
1899	No Asbestos	Chrysotile	0.051	-0.57692
1905	No Asbestos	Chrysotile	0.155	3.423077
1923	No Asbestos	Chrysotile	0.029	-1.42308
1935	No Asbestos	Amosite	0.026	-1.53846
1975	No Asbestos	Chrysotile	0.134	2.615385
1991	No Asbestos	Amosite & Chrysotile	1	35.92308

NRS = No Result Submitted