



Report
Round 10

June 2016



Asbestos in Soils Scheme

Asbestos in Soils Scheme (AISS)

BACKGROUND

This report covers Round 10 of the Asbestos in Soils Scheme (AISS). Round 10 was open to laboratories worldwide. Laboratory participation was as follows: 31 UK, 12 EU and 2 RoW.

SAMPLES

Two samples were circulated as follows:

Sample S019 – This soil sample contained chrysotile, sand, cement and plaster.

Sample S020 – This sample contained free amosite fibres (loose fibre and in clumps) at 0.04% by weight. Each sample was individually made by mixing known weights of amosite 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-five laboratories submitted quantitative results;

- 31(91%) laboratories achieved a z-score of $< \pm 2$,
- 1 (3%) laboratory achieved a z-score of between $\pm 2 - \pm 3$,
- 2 (6%) laboratories achieved a z-score of $> \pm 3$

AISS Qualitative

Sample 019 – Forty laboratories correctly identified chrysotile. One laboratory also identified amosite and one laboratory also identified actinolite. Two laboratories reported no asbestos and one did not submit results.

Sample 020 – Forty laboratories correctly identified amosite. Four laboratories also identified chrysotile. One laboratory did not submit results.

AISS Qualitative & Quantitative Scheme

HSL PT Lab No	Sample 019	Sample 020		
	Assigned Result Chrysotile	Assigned Result Amosite	Quantitative Result 0.04%	z score
7	Chrysotile	Amosite	0.038	-0.13
766	Chrysotile	Amosite	0.001	-2.59
801	Chrysotile	Amosite	0.016	-1.58
803	Chrysotile	Amosite	0.053	0.84
807	Chrysotile	Amosite	0.026	-0.90
835	Chrysotile	Amosite	NRS	
869	Chrysotile	Amosite	0.056	1.05
885	No Asbestos	Amosite	0.050	0.66
892	Chrysotile	Amosite	NRS	
1096	Chrysotile	Amosite	0.036	-0.25
1161	Chrysotile	Amosite	0.049	0.62
1181	Chrysotile	Amosite	0.130	5.92
1184	Chrysotile	Amosite and Chrysotile	NRS	
1258	Chrysotile	Amosite	0.035	-0.33
1277	Chrysotile	Amosite	0.030	-0.66
1294	Chrysotile	Amosite	0.044	0.26
1308	Chrysotile	Amosite and Chrysotile	0.230	12.50
1329	Chrysotile	Amosite	0.013	-1.81
1352	Chrysotile and Amosite	Amosite	NRS	
1357	Chrysotile	Amosite	0.052	0.79
1365	Chrysotile	Amosite and Chrysotile	0.070	1.97
1407	Chrysotile	Amosite	0.033	-0.46
1450	Chrysotile	Amosite	0.019	-1.38
1457	Chrysotile	Amosite	0.030	-0.66
1469	Chrysotile	Amosite	NRS	
1495	Chrysotile	Amosite	0.044	0.26
1579	Chrysotile	Amosite	0.045	0.33
1582	Chrysotile	Amosite	NRS	
1583	Chrysotile	Amosite	NRS	

1633	Chrysotile	Amosite	0.031	-0.59
1670	Chrysotile	Amosite	0.043	0.20
1680	Chrysotile	Amosite	0.030	-0.66
1711	Chrysotile	Amosite	0.022	-1.22
1743	Chrysotile	Amosite	0.050	0.66
1753	Chrysotile	Amosite	0.050	0.66
1774	Chrysotile and Actinolite	Amosite and Chrysotile	0.024	-1.05
1814	Chrysotile	Amosite	0.055	0.99
1825	Chrysotile	Amosite	0.033	-0.46
1840	Chrysotile	Amosite	NRS	
1889	Chrysotile	Amosite	NRS	
1899	Chrysotile	Amosite	0.043	0.20
1905	Chrysotile	Amosite	0.048	0.53
1923	No Asbestos	Amosite	0.021	-1.25
1932	NRS	NRS	NRS	
1975	Chrysotile	Amosite	0.023	-1.12

NRS = No Result Submitted