



## GROUP REPORT Round 36

## ASBESTOS IN SOILS SCHEME (AISS) June 2025



This report is available to view on our website: [AISS Group Reports](#)

This is a reissued report and supersedes the AISS Group Report issued on Friday 20<sup>th</sup> June 2025  
Reason for Reissue: Description for sample S072 stated 0.12% asbestos, should be 0.14%

### ROUND 36 SAMPLE DETAILS

#### BACKGROUND

This report covers Round 36 of the Asbestos in Soils Scheme (AISS). Round 36 was open to laboratories worldwide. Laboratory participation was as follows: 22 UK & 58 Non-UK with 78 labs submitting results.

#### SAMPLES

Two samples were circulated as follows:

**Sample S071** – This sample contained anthophyllite free fibre asbestos in a topsoil, compost, sand, aggregate, clay and cement board matrix.

**Sample S072** – This sample contained 0.14% chrysotile asbestos in asbestos cement (AC) fragments (using the AISS Information Book 25% asbestos figure for AC) in a topsoil, compost, sand, aggregate and cement matrix.

#### SCREENING & VALIDATOR INFORMATION

Both samples were prepared for circulation following our normal internal screening process of samples with representative subsamples scanned using stereo-zoom microscopy to assess homogeneity and suitability. Before issue the samples were validated by 3 independent laboratories.

#### INFORMATION SUBMITTED BY LABORATORIES

78 laboratories submitted results for AISS Round 36. Laboratories used the PT online 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.

#### AISS QUALITATIVE RESULTS

##### Sample 1 (S071)

57 laboratories correctly reported anthophyllite  
11 laboratories reported tremolite and 1 reported anthophyllite & tremolite (no error score)  
2 laboratories reported chrysotile  
4 laboratories reported amosite  
1 laboratory reported amosite & chrysotile  
2 laboratories reported no asbestos

##### Sample 2 (S072)

70 laboratories correctly reported chrysotile  
2 laboratories reported chrysotile & anthophyllite  
1 laboratory reported chrysotile and crocidolite  
5 laboratories reported no asbestos

#### AISS QUANTITATIVE RESULTS

The median of quantitative results submitted was 0.11. For the purposes of the z score we are using 40% of the median – 0.044.

53 laboratories submitted quantitative results for S072;

- 39 (74%) laboratories achieved a z-score of  $\leq 2$ , Satisfactory
- 8 (15%) laboratory achieved a z-score of between  $\pm 2 - \pm 3$ , Questionable
- 6 (11%) laboratories achieved a z-score of  $> \pm 3$ , Unsatisfactory





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## Round 36

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## June 2025



### 1. Type Of Errors Obtained

Chart 1 illustrates the errors made by participating laboratories.

17 errors were made on sample 1 (S071) with:

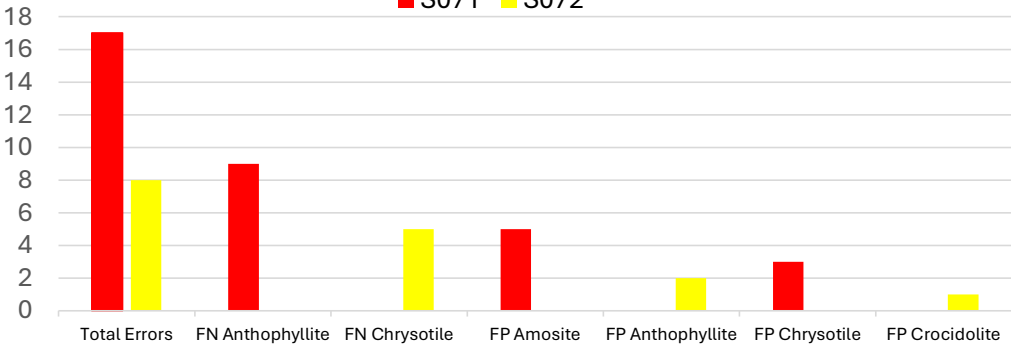
- 2 laboratories falsely reporting chrysotile (2 x false positive chrysotile & 2 x false negative anthophyllite)
- 1 laboratory falsely reporting amosite & chrysotile (false positive chrysotile, false positive amosite & false negative anthophyllite)
- 4 laboratories falsely reporting amosite (4 x false positive amosite & 4 x false negative anthophyllite)
- 2 laboratories reporting no asbestos (2 x false negative anthophyllite)

8 errors were made on sample 2 (S072) with:

- 2 laboratories reported chrysotile & falsely reported anthophyllite (2 x false positive anthophyllite)
- 1 laboratory reported chrysotile & falsely reported crocidolite (1 x false positive crocidolite)
- 5 laboratories reported no asbestos (5 x false negative chrysotile)

Chart 1 - AISS Round 36 Errors

■ S071 ■ S072



False Negative = Component has been missed. False Positive = Component has been incorrectly identified as present

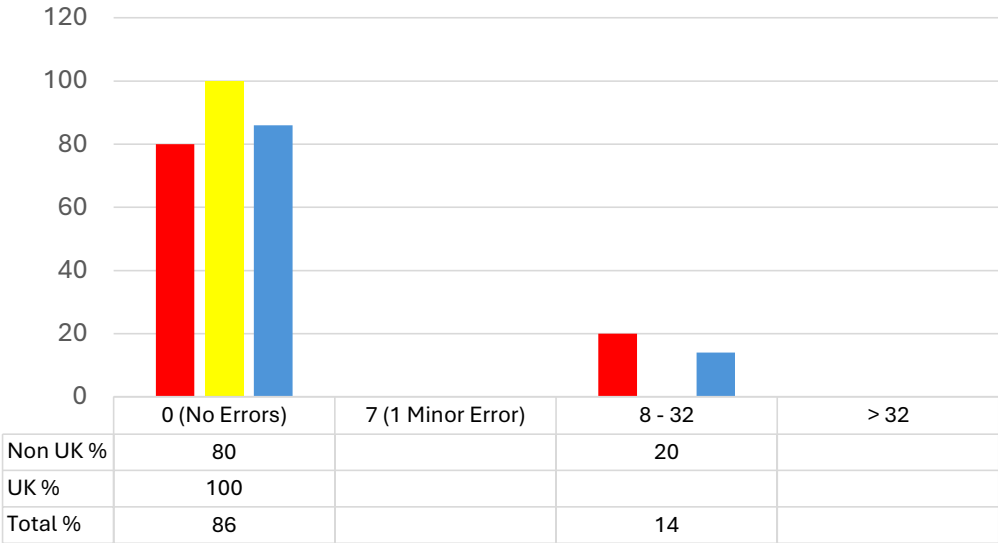
### 2. Errors for UK & Non-UK Laboratories

Chart 2 illustrates the distribution of scores for all participating laboratories.

67 (86%) laboratories obtained a score of zero in this round, indicating that these laboratories had not made any errors. The distribution of scores obtained by UK (United Kingdom) and Non-UK laboratories is also compared; 22 (100%) UK laboratories and 45 (80%) Non-UK laboratories obtained a score of zero for the round.

Chart 2 - Distribution & Comparison of Errors AISS R36

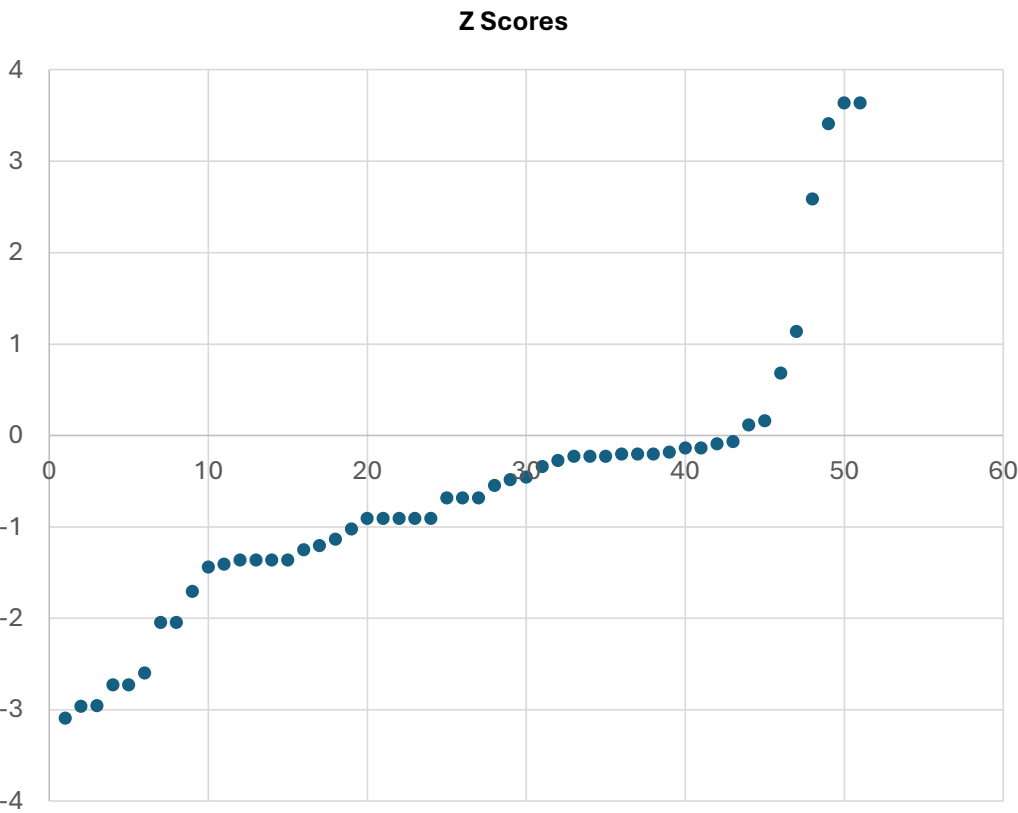
■ Non UK % ■ UK % ■ Total %





**3. Quantitative Results - z scores**

Chart 3 - scatter graph of z scores (2 z scores of 8.18 & 23.53 removed as an outlier) for the 53 laboratories who submitted a quantification result for sample 2 (S072).



**4. Quantitative Results**

Chart 4 illustrates of the 53 laboratories who submitted a quantification result for sample 2 (S072):

- 39 laboratories (74%) achieved a satisfactory result i.e. a z score of  $\leq \pm 2$ .
- 8 laboratories (15%) achieved a questionable result with a z score of between  $\pm 2$  and  $\pm 3$ .
- 6 laboratories (11%) achieved an unsatisfactory result with a z score of  $> \pm 3$ .

