



# GROUP REPORT

## Round 37

# ASBESTOS IN SOILS SCHEME (AISS)

## October 2025



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

### ROUND 37 SAMPLE DETAILS

#### BACKGROUND

This report covers Round 37 of the Asbestos in Soils Scheme (AISS). Round 37 was open to laboratories worldwide. Laboratory participation was as follows: 22 UK & 62 NON UK.

#### SAMPLES

Two samples were circulated as follows:

**Sample S073** – This sample contained chrysotile free fibre asbestos in a topsoil, compost, sand and clay matrix.

**Sample S074** – This sample contained 0.12% chrysotile asbestos in asbestos cement (AC) fragments (using the AISS Information Book 25% asbestos figure for AC) in a topsoil, compost, sand, aggregate, clay and paper 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. The samples were validated by 3 independent laboratories.

#### INFORMATION SUBMITTED BY LABORATORIES

83 laboratories submitted results for AISS Round 37. 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 ACMs, as loose fibres and the total % asbestos.

### AISS QUANTITATIVE RESULTS

#### Sample 1 (S073)

77 laboratories correctly reported chrysotile  
1 laboratory reported chrysotile & tremolite  
1 laboratory reported tremolite/ anthophyllite  
1 laboratory reported crocidolite  
3 laboratories reported no asbestos

#### Sample 2 (S074)

79 laboratories correctly reported chrysotile  
2 laboratories reported chrysotile & tremolite  
1 laboratory reported chrysotile & amosite  
1 laboratory reported no asbestos

### AISS QUALITATIVE RESULTS

The median of quantitative results submitted was 0.116. For the purposes of the z score we are using 40% of the median - 0.0464.

58 laboratories submitted quantitative results for S074;

- 51 (88%) laboratories achieved a z-score of  $\leq \pm 2$ , Satisfactory
- 2 (3%) laboratory achieved a z-score of between  $\pm 2 - \pm 3$ , Questionable
- 5 (9%) laboratories achieved a z-score of  $> \pm 3$ , Unsatisfactory





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### 1. Type Of Errors Obtained

Chart 1 illustrates the errors made by participating laboratories.

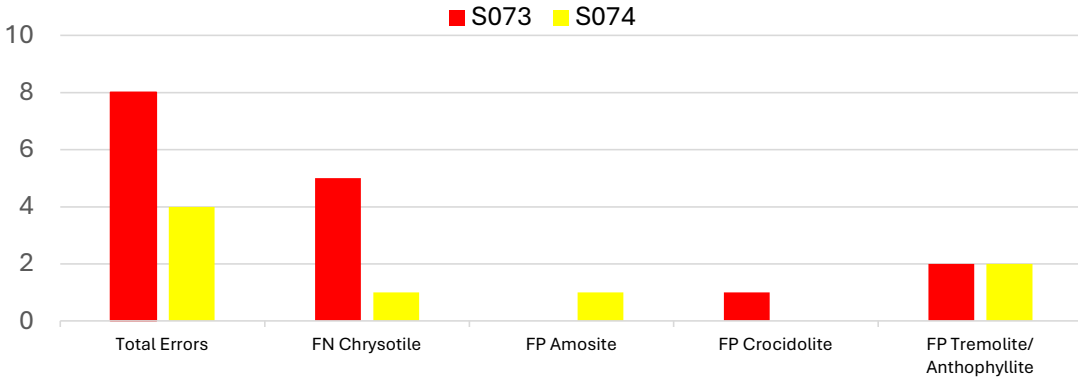
8 errors were made on sample 1 (S073), with:

- 1 laboratory falsely reporting crocidolite (1 x false positive crocidolite & 1 x false negative chrysotile)
- 1 laboratory correctly identifying chrysotile & falsely reporting tremolite (1 x false positive tremolite)
- 1 laboratory falsely reporting tremolite/ anthophyllite (1 x false positive tremolite/ anthophyllite & 1 x false negative chrysotile)
- 3 laboratories reporting no asbestos (3 x false negative chrysotile)

4 errors were made on sample 2 (S074), with:

- 2 laboratories correctly identifying chrysotile and falsely reporting tremolite (2 x false positive tremolite)
- 1 laboratory correctly identifying chrysotile and falsely reporting amosite (1 x false positive amosite)
- 1 laboratory reporting no asbestos (1 x false negative chrysotile)

Chart 1 - AISS Round 37 Errors



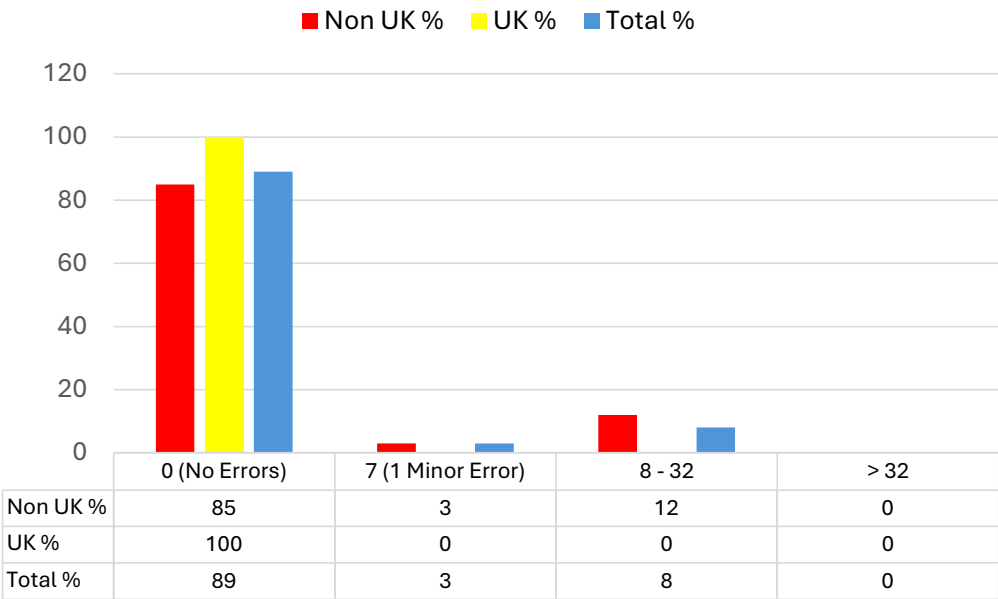
False Negative = Component has been missed. False Positive = Component has been incorrectly identified as present

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

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

74 (89%) 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 52 (85%) Non-UK laboratories obtained a score of zero for the round.

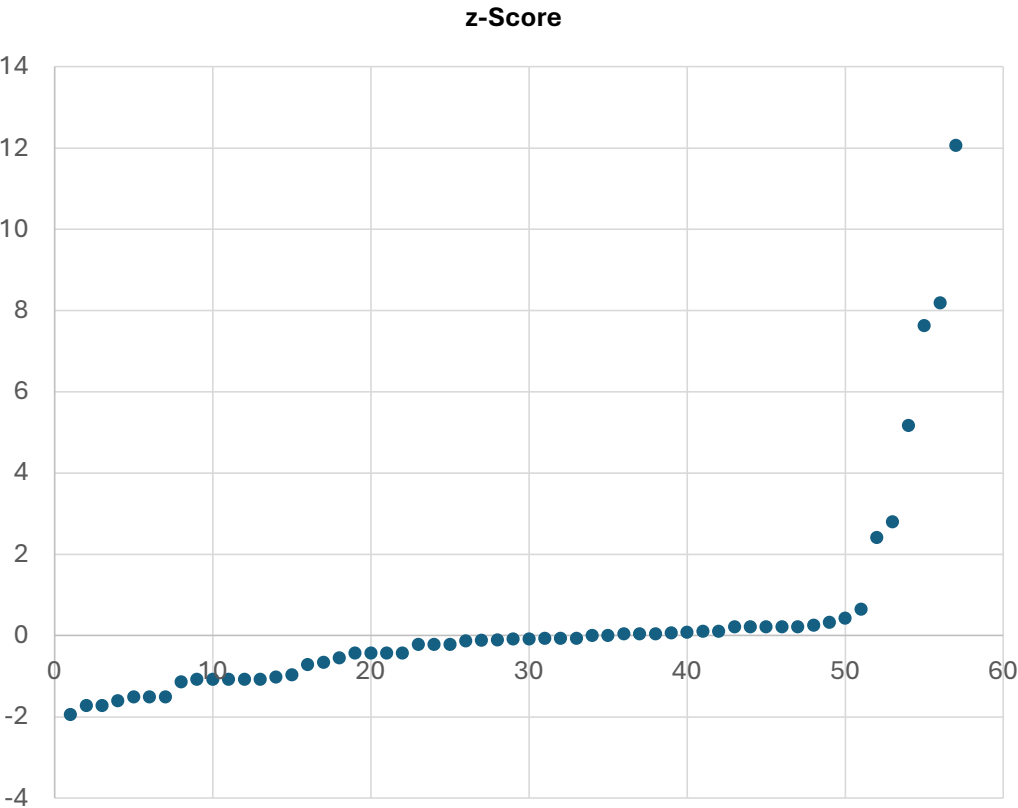
Chart 2 - Distribution & Comparison of Errors AISS R37





3. Quantitative Results - z scores

Chart 3 - scatter graph of z scores (1 z score of 21.34 removed as an outlier) for the 58 laboratories who submitted a quantification result for sample S074



4. Quantitative Results

Chart 4 illustrates of the xx laboratories who submitted a quantification result for sample S074, 51 laboratories (88%) achieved a satisfactory result i.e. a z score of  $< \pm 2$ . 2 laboratories (3%) achieved a questionable result with a z score of between  $\pm 2$  and  $\pm 3$ . 5 laboratories (9%) achieved an unsatisfactory result with a z score of  $> \pm 3$ .

