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ROUND 23 SAMPLE DETAILS

BACKGROUND

This report covers Round 23 of the Low Asbestos Content Scheme (LACS). LACS is currently a qualitative only PT scheme. Round 23 was open to laboratories worldwide. Laboratory participation was as follows: 4 UK and 122 Rest of Europe. 128 laboratories subscribed to this round - 2 didn't submit results

SAMPLE

One sample was circulated as follows: Sample LACS023 – This sample was chalk containing UICC Chrysotile. The sample was made as a batch using 0.02% UICC chrysotile by mass of the whole batch sample.

SCREENING & VALIDATOR INFORMATION

The sample was prepared for circulation following our normal internal screening process of samples with representative sub-samples scanned using stereo-zoom and polarised light microscopy and transmission electron microscopy to assess homogeneity and suitability. More than 10% of the total number of samples dispatched were validated by 11 independent laboratories.

INFORMATION SUBMITTED BY LABORATORIES

Laboratories used the PT Online Data Entry System to submit their results for this round. Results were submitted as asbestos type(s) present.

LACS RESULTS - Sample LACS023

Of the 126 laboratories submitting results for R23:

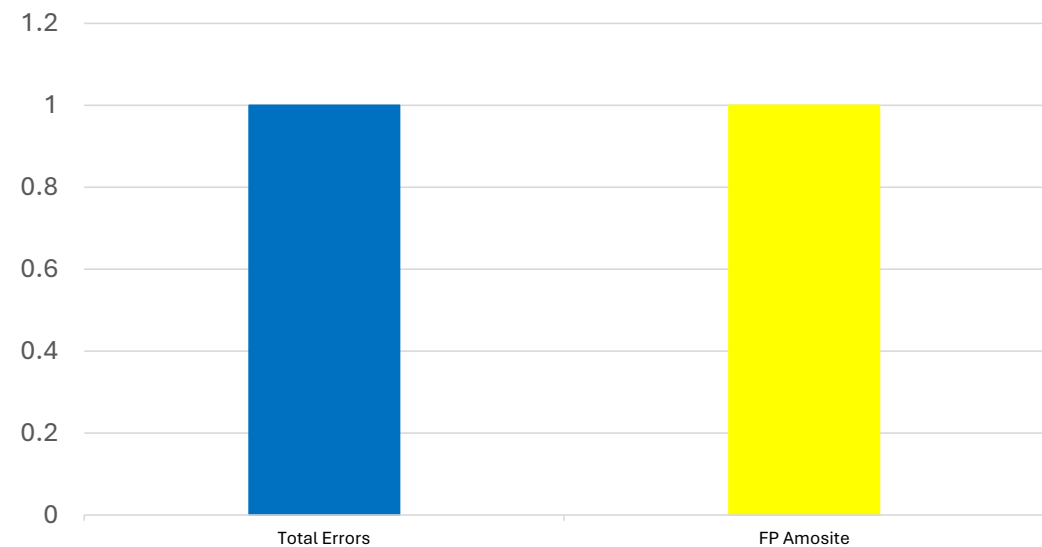
125 laboratories correctly reported chrysotile.
1 laboratory reported chrysotile & amosite.

These results are presented graphically in Charts 1 and 2.

1. Type Of Errors Obtained

Chart 1 illustrates the errors made by participating laboratories. One error was made by a laboratory on sample LACS023 reporting amosite and chrysotile.

Chart 1 - LACS Round 23 Errors



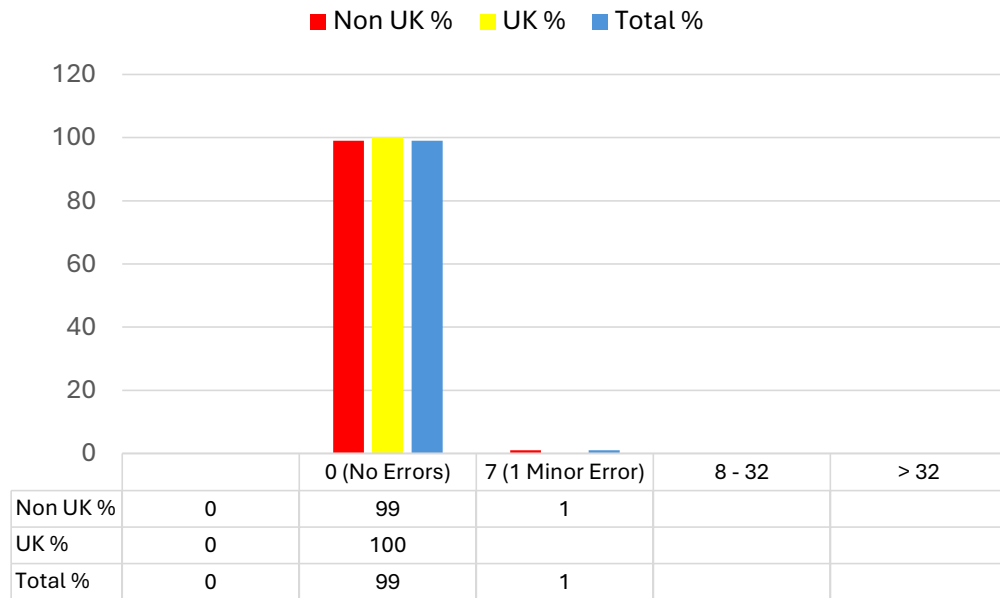
False Negative = Component has been missed. False Positive = Component has been incorrectly identified as present.

2. Errors for UK & Non-UK Laboratories

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

125 (99%) 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; 4 (100%) UK laboratories and 121 (99%) Non-UK laboratories obtained a score of zero for the round.

Chart 2 - Distribution & Comparison of Errors LACS R23



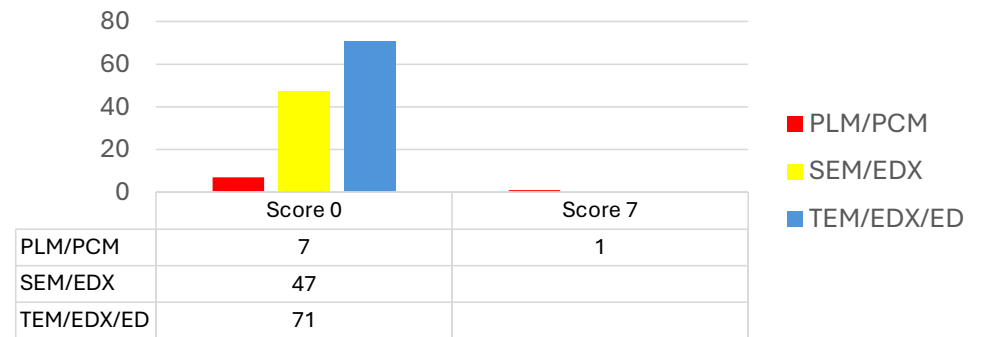
Quantitative Results

For 2024/25, HSE are not providing quantitative samples for the Low Asbestos Content Scheme (LACS).

Additional Information

7 PLM/PCM, all 47 SEM and 71 TEM laboratories scored zero points in the round. 1 PLM/ PCM laboratory scored 7 points.

Score vs Technique



Participating Laboratories

