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Title: Dual-glass component AF string fragments

Generated on: 2026-01-22 19:33:47

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Glass fragments are frequently recovered during criminal investigations as they can provide links between the crime scene, suspects, or victims. The elemental composition of ...

"Elemental analysis methods are used (should/shall be) when other methods of comparison fail to distinguish two glass fragments as having different sources."

The analysis of glass evidence consists of comparing the physical and chemical properties of a fragment retrieved from a suspect to a possible source of the glass and then assessing the ...

The decision whether a glass fragment recovered from the trousers of a suspect could have come from the windscreen depends upon the similarity of the element profiles.

This study compares results for the uXRF analysis of full-thickness (?2 mm) and thin glass fragments (10 to 50 um) for different types of float glass.

The given sample set includes both architectural and automotive glass fragments, which were found to be indistinguishable by refractive index measurements (each of the associated ...

o For the large glass sample size (> 2-3 mm, and using a +/- 3 SD criterion for the Ca/Fe net intensity ratios, 35 pairs were found to be indistinguishable (17% indistinguishable).

In this study, strain glass states with different degrees of lattice distortion are observed in Ni₂MnTi. Moreover, a dual-glass state consisting of strain glass and spin glass is ...

The small fragments (0.5 mm to 2 mm) were attached to a petrographic slide using double-sided graphite tape

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(Figure 2). This process was repeated for all the surrogates, as well as the three ...

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