META

Comprehensive analysis of automobile window glass samples by ed-XRF, DC-ARC-AES and INAA: analytical capabilities and intercomparisons

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Abstract

[en] Automobile window /windshield glasses are soda lime glasses having Si, Na, Ca, Mg Al as major composition with other minor and trace elements. This glass is often studied/analyzed as forensic object in hit and run cases. Such objects are examined by qualitative / quantitative means to ascertain its composition and its source, which is the main focus of forensic investigation. The main objective of this work is to bring out analytical capabilities of three different techniques like Direct Current Arc Atomic Emission Spectrometry (DC-Arc-AES), Energy Dispersive X-Ray Fluorescence (ED-XRF) spectroscopy and Instrumental Neutron Activation Analysis (INAA)

Primary Subject

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