

Portable LIBS system for determining the composition of multilayer structures on objects of cultural value (Conference Paper)

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Abstract

This study presents the use of a portable Laser Induced Breakdown Spectroscopy (LIBS) prototype for determining the elemental composition of a metal jug. The system includes emission from a multiuse Q-switched Nd:YAG laser. By sampling at different points, the surface composition is determined. Furthermore, the presence of two layers of Pb and Cu and their thicknesses are determined through in-depth analysis.

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