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| Titolo | Portable x-ray fluorescence spectrometry [[electronic resource] ] : capabilities for in situ analysis / / edited by Philip J. Potts, Margaret West |
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| ISBN | 1-84755-864-X |
| Descrizione fisica | 1 online resource (304 p.) |
| Altri autori (Persone) | PottsP. J<br>WestMargaret |
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| Soggetti | X-ray spectroscopy<br>X-ray photoelectron spectroscopy |
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| Nota di contenuto | Portable X-ray_revised; i_iv; v_vi; vii_xii; 001_012; 013_038; 039_055; 056_082; 083_097; 098_140; 141_173; 174_205; 206_246; 247_278; 279_291 |
| Sommario/riassunto | Portable X-ray fluorescence (PXRF) instrumentation has some unique analytical capabilities for the in situ analysis of samples in the field. These capabilities have been extended in recent years by the continuing development of solid state detectors, surface mounted electronics, digital signal processing technology, Li-ion batteries combined with a choice of rugged sealed radioisotope sources or miniature X-ray tubes that provide lightweight hand-held devices. As well as opening up new applications, in situ measurements by PXRF, where the instrument is placed in direct contact with the object |