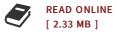




# Modern Techniques for Food Authentication

By edited by Da Wen Sun

Elsevier, 2012. Hardcover. Condition: New. Dust Jacket Condition: New. 1st Edition. Contents: Preface. 1. Introduction to food authentication/Andreas Schieber. 2. Spectroscopic technique: mid-infrared MIR and fourier transform mid-infrared (FT-MIR) spectroscopies/Romdhane Karoui, Juan Antonio Fernandez Pierna and Eric Dufour. 3. Spectroscopic technique: near infrared NIR spectroscopy/Marena Manley, Gerard Downey and Vincent Baeten. 4. Spectroscopic technique: fourier transform near infrared FT-NIR spectroscopy/Vincent Baeten, Marena Manley, Juan Antonio Fernandez Pierna, Gerard Downey and Pierre Dardenne. 5. Spectroscopic technique: Raman spectroscopy/Hartwig Schulz. 6. Spectroscopic technique: fourier transform Raman FT-Raman spectroscopy/Ramazan Kizil and Joseph Irudayaraj. 7. Spectroscopic technique: fluorescence and ultraviolet-visible UV-Vis spectroscopy/Romdhane Karoui and Eric Dufour. 8. Isotopic spectroscopic technique: site-specific nuclear isotopic fractionation studied by nuclear magnetic resonance SNIF-NMR/Wen-Ching Ko and Chang Wei Hsieh. 9. Isotopic spectroscopic technique: stable isotope ratio mass spectrometry IRMS/Gerard Gremaud and Andreas Hilkert. 10. Chromatographic technique gas chromatography (GC)/Ana Soria, Ana Ruiz-Matute, Maria Sanz and Isabel Martinez Castro. 11. Chromatographic technique: high performance liquid chromatography (HPLC)/Agnes Sass Kiss. 12. DNA based technique: polymerase chain reaction PCR/Robert E. Levin. 13. Enzymic technique: enzyme linked immunosorbent Assay (ELISA)/Angel Maquieira Catala and Rosa Puchades. 14. Electrophoretic technique: capillary zone electrophoresis/Alejandro Cifuentes and Virginia Garcia Canas. 15. Thermal technique: differential scanning calorimetry...



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