

MULTIVARIATE SPECTROSCOPY ANALYSIS FOR CLASSIFICATION AND IDENTIFICATION OF MOLDAVIAN MATURED WINE DISTILLATES

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Abstract.

It is demonstrated that UV-Vis-NIR-spectroscopy can be used for solving the authenticity problem of matured wine distillates. Application of principal component analysis, classification trees and projection on latent structures to broadband transmission spectra allows determining the manufacturer and aging of wine distillates.

Keywords: chemical composition, classification trees, maturation, principal component analysis, projection on latent structures, transmission spectra, wine distillates.

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