

The cover image features a close-up of green and purple grapes on the left, a wine glass filled with white wine on the right, and a purple FTIR spectral line graph overlaid across the center. The background is dark, making the subjects stand out.

FTIR

SPECTROSCOPY

for Grape and Wine Analysis

FTIR spectroscopy can assist the highly diversified and tradition-bound wine industry in meeting product and quality control challenges.

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FTIR spectroscopy is a nondestructive technique that provides structural information on molecular features of a large range of compounds. Its main advantages are speed, a high degree of automation, medium resolution, and cost-effectiveness. Recent improvements in instrumentation together with advances in fiber optics and chemometrics have provided an analytical tool that is suitable for routine qualitative analysis and process control in many industries.

Although FTIR spectroscopy is widely applied in the food industry, acceptance of this technology in the grape and wine industry has been relatively slow and mainly

Ftir Spectroscopy For Grape And Wine Analysis

Daniela Niemeyer



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