As Easy as 1, 2, 3, Makes FTIR Analysis Fast and Simple

Agilent MicroLab 5.7 Software

Upgrade your Agilent FTIR spectrometer with the latest version of MicroLab software.

There has never been a better time to upgrade to the latest Agilent MicroLab software for the Agilent Cary 630 FTIR spectrometer and mobile and handheld FTIR systems.

Cary 630 FTIR · 4500 Portable FTIR · 5500 Compact FTIR · 4300 Handheld FTIR

Mobile FTIR

Software that supports the entire workflow from sample to answer

The intuitive and easy-to-use MicroLab software provides step-by-step guidance with instructive pictures to allow easy navigation through the entire analytical workflow (Figure 1).

1. Start the analysis
2. Follow picture-driven software guidance
3. Instantly receive color-coded, actionable results

Figure 1. Three simple steps using Agilent MicroLab software and Agilent FTIR spectrometers that can make performing an analysis straightforward, with reduced training needs.

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Here's what's new:

New spectrum results window

Makes labeling peaks, reviewing data, and reporting spectra more convenient and faster than ever before (Figure 2):

– Newly developed spectrum processing window in modern design.

– Fully integrated in existing workflows.

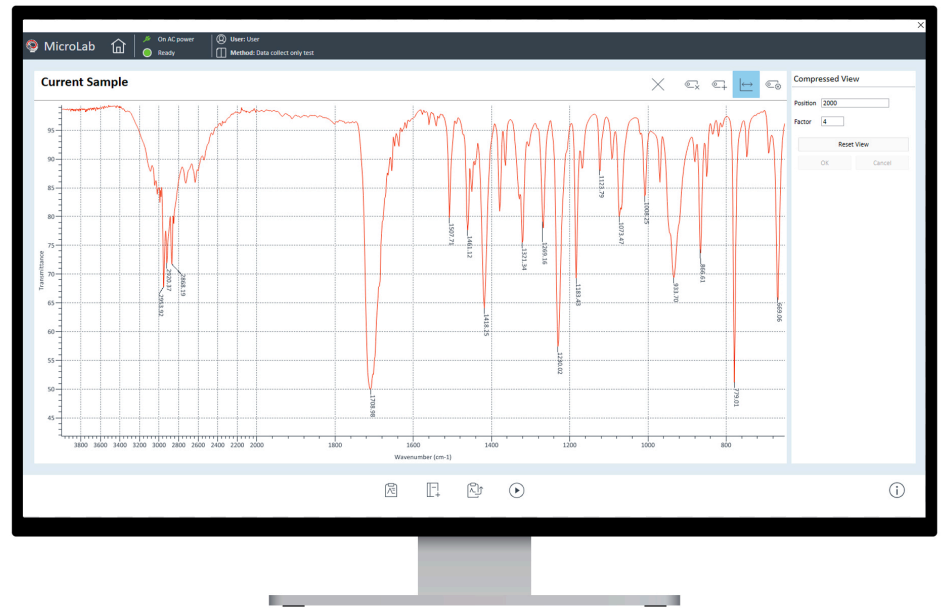– Nonlinear scaling of the X-axis allows expansion of the most relevant region of the spectrum.

Figure 2. Agilent MicroLab software allows customers to collect, review, and re-analyze infrared spectra, along with a reporting feature.

MicroLab Expert model import

MicroLab software makes sophisticated data analysis simple and fast, taking the complexity out of FTIR analysis:

– MicroLab software now supports the use of comprehensive chemometric prediction models developed in the Agilent MicroLab Expert software (Figure 3).

– MicroLab software continues to provide intuitive and easy-to-understand guidance through the measurement workflow but uses the powerful MicroLab Expert prediction engine in the background. The user is then automatically presented with the result.
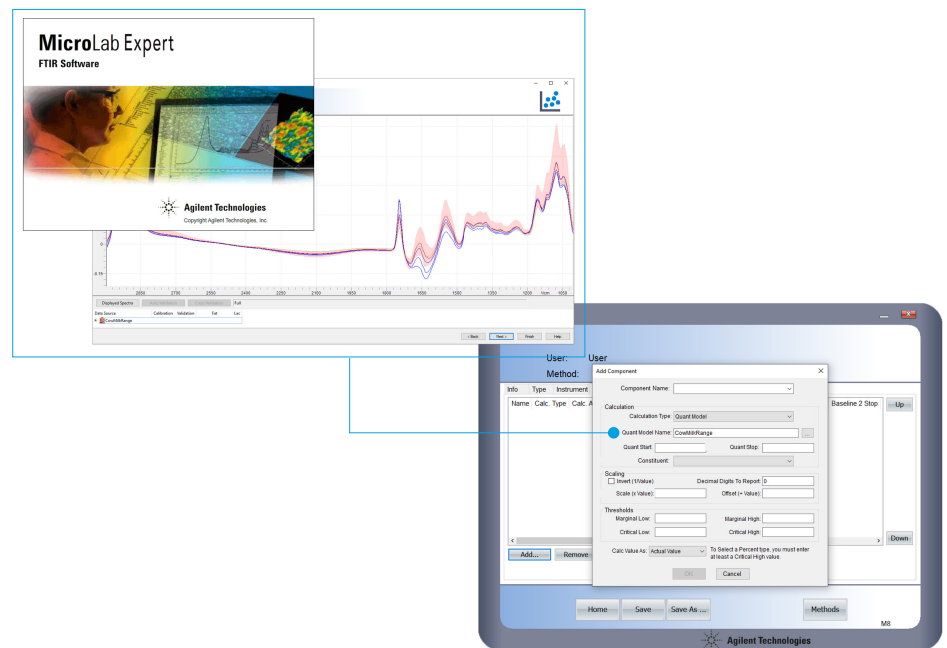

Figure 3. MicroLab now supports the use of comprehensive chemometric models developed in the Agilent MicroLab Expert software.

Metadata display

Workflows specifically designed to support narcotics detection applications (Figure 4):

– Clear, actionable safety and hazard information for the selected library hit is displayed, including a CAS number, GHS symbols, a warning flag (for controlled substances), and a brief sample description.

– Chemical and first response information is provided.

– Further detailed information can be accessed, including the Custom Information section, which is editable by the user, such as local legal status and handling advice.
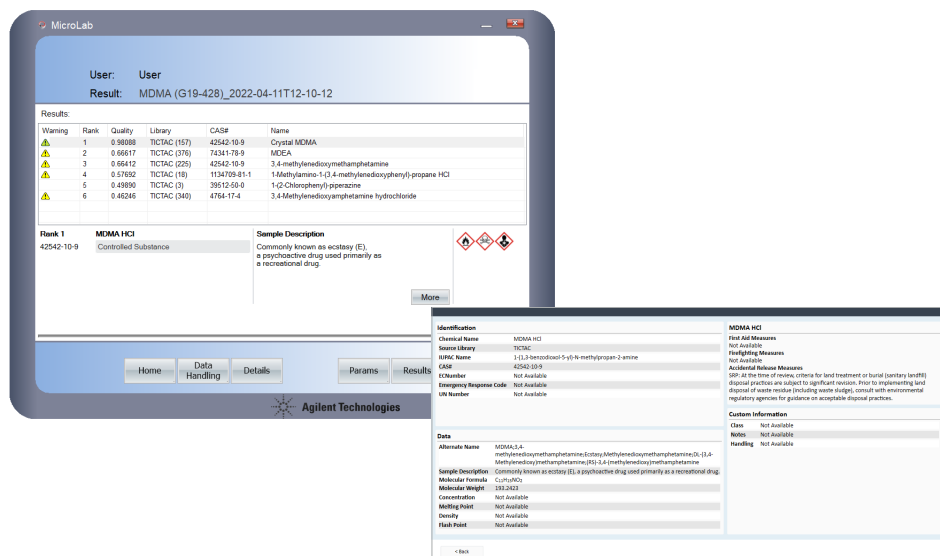

Figure 4. Agilent MicroLab software displays additional chemical and first response information relevant to narcotics detection applications. The editable Custom Information section provides further user-specific guidance.

Color coding for library search

MicroLab software now brings color coding to library search workflows (Figure 5):

– Users can set their own color-coding limits.

– Results are color coded based on the hit quality index (HQI), allowing for an easy interpretation and identification of the closest matches.
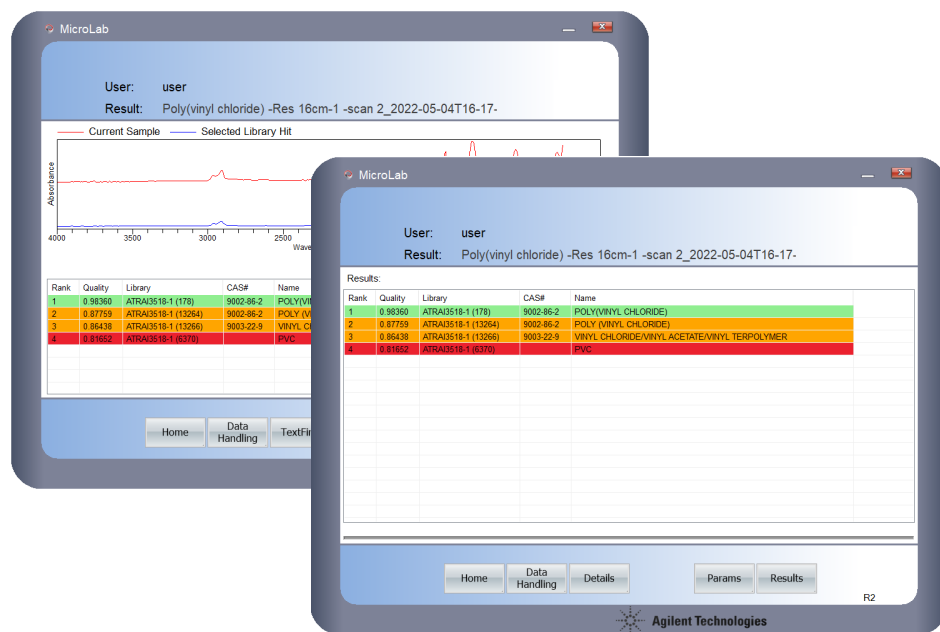

Figure 5. Color coding of results based on the HQI can be used to define confidence levels.

To learn more about the Agilent MicroLab software visit **www.agilent.com/chem/MicroLab**

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