

# Increase Your Reach, Not Your Costs

Agilent Vaya Raman Raw Material Identity Verification System



# Increase Your Reach, Not Your Costs

The Agilent Vaya Raman system tests more raw materials for the same cost and reduces the need for sampling. Vaya offers best-in-class ID testing through transparent containers, and transformative handheld testing through nontransparent containers—for the fastest possible release to manufacturing.



## Powerful and reliable

- Work smarter: ID through opaque containers in seconds—no sampling booth needed; minimum material handling
- Trust your result: spatially offset Raman spectroscopy (SORS) verifies the identity of the raw material without interference from the container or liner



## Fast and efficient

- Work faster: ID your materials in seconds
- Easy deployment: minimal training and fast method development—Vaya can start returning its investment quickly



## Flexible and future proof

- Analysis with or without opening the container: as regulators insist on more testing for raw materials, Vaya has you covered
- Easy to use: Vaya is controlled by an intuitive, GMP-compliant, raw material ID-focused workflow

# Higher Quality without Higher Costs

Regulatory requirements change, as do quality and testing needs. Vaya can improve your current testing protocols—from low volume sampling to 100% ID testing. If regulators require you to test more, Vaya allows you to develop higher-throughput testing without any additional equipment.

## Do you need to reduce the resources spent on raw material testing?

With Vaya, testing can be conducted in the quarantine area by a single operator. No more unnecessary movement of containers, sampling booth cleanup, sampling consumables, and PPE for testing personnel.



## Can your process cope with an increase in workload or quality?

Vaya rapidly identifies raw materials through a broad range of containers, easily adapting to higher workloads or more stringent quality requirements. Without sampling, you can test more materials for the same cost, or perform multipoint surveys of your raw material containers.



## Do you use air-sensitive or sterile materials?

Performing an identification test through containers maintains raw material packaging integrity. Vaya preserves sterile/inert conditions during testing and maintains the manufacturer's original shelf life, preventing unnecessary waste.



## Are you dealing with hazardous, toxic, or high potency materials?

Through-container testing eliminates exposure to potent and hazardous materials. No more suiting up—the test can be performed in the quarantine area under normal conditions.



# Handle Any Container in Any Situation

Vaya is the most flexible raw material testing solution available. From clear glass vials to brown paper sacks, Vaya automatically adapts the measurement mode to the container and contents—optimizing the Raman signal and measurement time for maximum testing speed and efficiency.

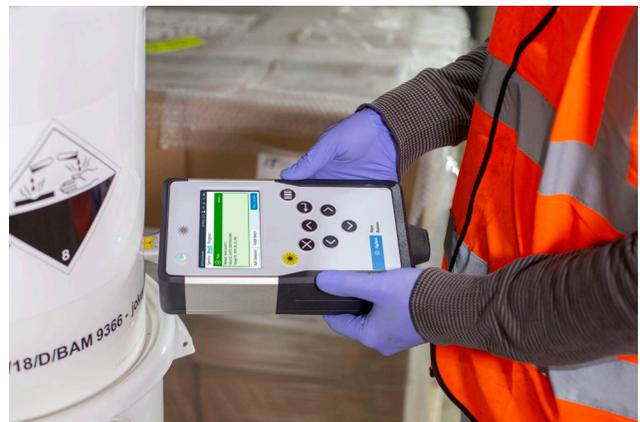
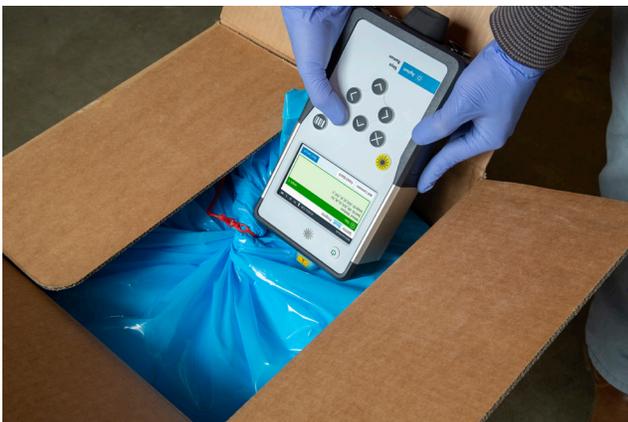
## Compatible with most raw materials and containers

- Simplifies your testing process, working with most pharma and biopharma raw materials, through the container
- Uses proven analytics to achieve excellent selectivity in distinguishing chemically similar raw materials
- Agilent SORS technology, combined with an 830 nm laser, minimizes fluorescence from containers and contents



## Fast and adaptable to container variation

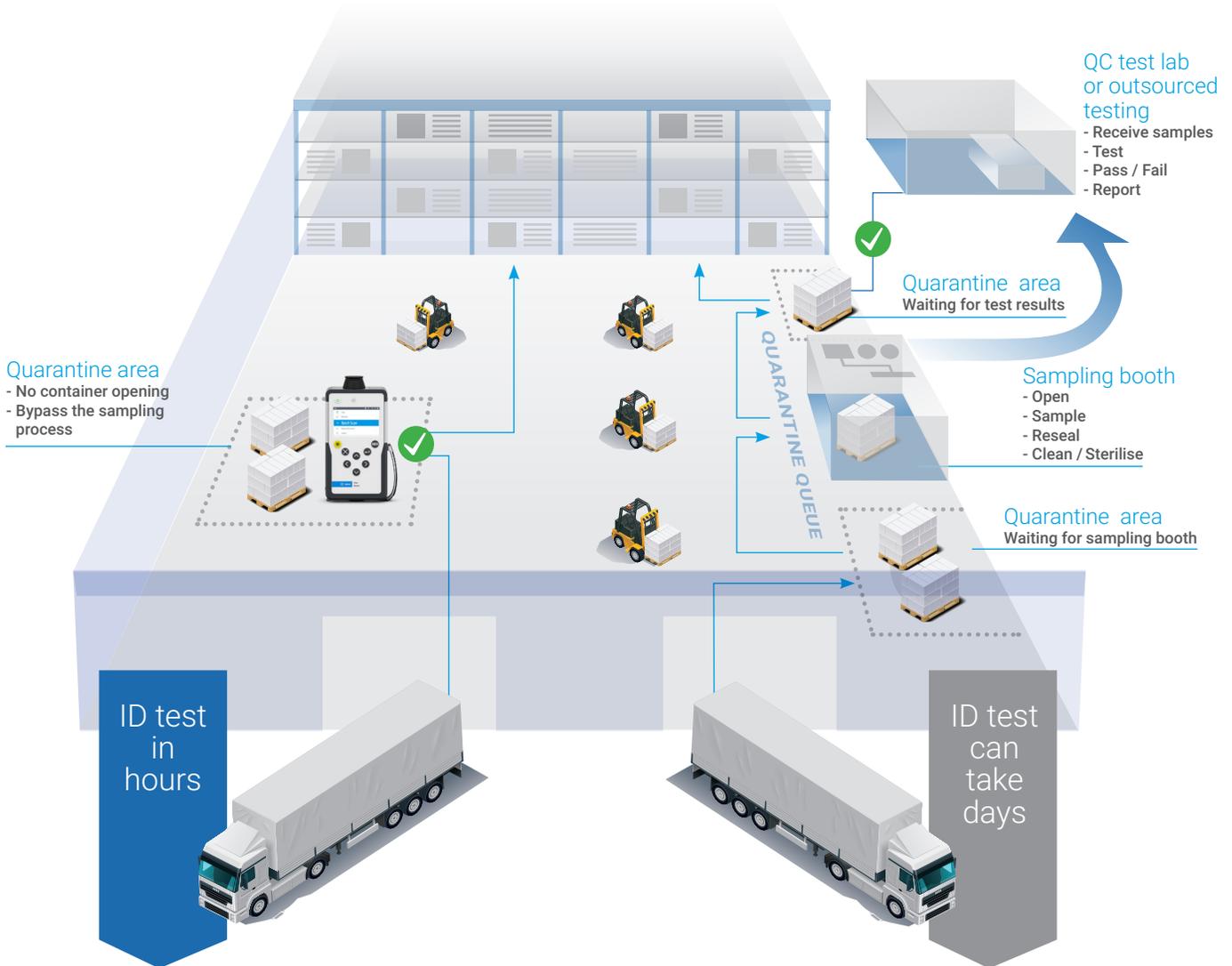
- Works faster than conventional handheld systems through transparent containers
- Easily handles day-to-day variations in plastic liner color, opacity, or thickness
- Adaptive SORS technology works with opaque containers like white or colored tubs, FIBCs or super sacks, papers bags, and amber glass bottles



# A Faster, More Cost-Effective Route to Production

Boost your productivity with Vaya. Easy to set up—easy to use. Bypass the sampling room and verify incoming raw materials directly in the quarantine area for unprecedented throughput.

## Shorten the verification process—often from days to hours



### Testing with Vaya:

- Simplify and accelerate the ID test protocol
- Minimal movements of raw materials
- Stock can be reduced to production needs

### Testing with conventional techniques:

- Time and resource intensive ID test protocol
- Sampling booth required for sampling/analysis
- Stock is not immediately available for production

# Powerful, Fast, Robust, and Reliable

Vaya combines conventional Raman with unique SORS technology for maximum sample/container compatibility. With a dedicated raw material identity testing workflow, Vaya is fast, easy to deploy, and simple to use, requiring minimal training or operator skill.



SORS optics with 830 nm laser (class 3B) for through-container measurements and fluorescence mitigation. Includes built-in autocalibration

2D-barcode reader for data input or method selection, compatible with most barcodes

Wi-Fi for data synchronization and backup

Test piece for performance qualification

Bumpers for added robustness. Vibration and drop resistant

Chemical-resistant keypad for tough environments

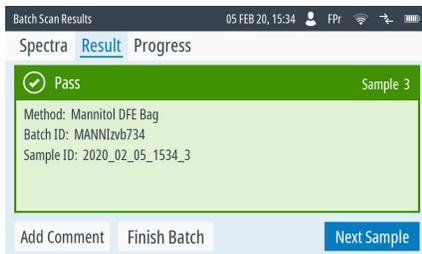
Dedicated laser button for safe operation

Battery compartment with USB 2.0 connector: four hours uptime on a single battery

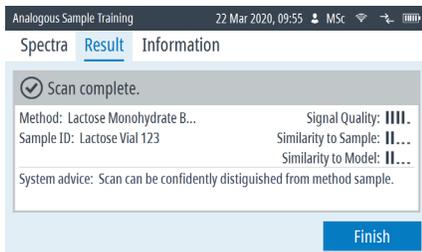


# Your Complete, Fully Compliant Testing Solution

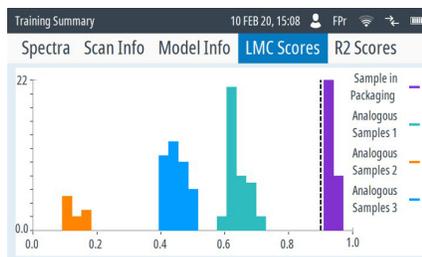
Vaya is the first handheld Raman spectrometer incorporating SORS technology for the quick identification of raw material through containers. The system is designed from the ground up to be used in GMP-compliant raw material identification processes.



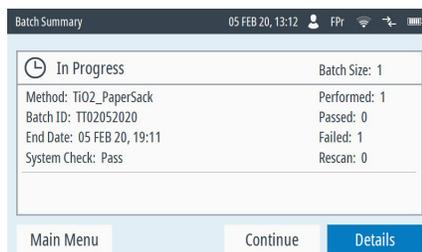
Sample result screen with a clear pass



Intuitive method development wizard



Graphical method validation summary



Work in progress batch function

## Easy to use

- Intuitive interface requires minimal training
- Delivers clear Pass/Fail analysis summarized in a batch report
- Self-calibrating; automatic monitoring and adjustment during measurements

## Dedicated raw material ID workflow

- Straightforward batch procedure for scanning and reporting
- Smart method development wizard: advises on method specificity and model robustness
- Workflow embedded instructions

## Compliant

- Batch identification and method development with full audit trail: supports 21 CFR Part 11 compliance
- Method validation featuring library cross check, analogs challenge, and reporting
- System checks can be enforced pre- and post-batch for trusted results

## Ready to deploy

- LIMS-compatible data format: XML and PDF files for easy data parsing
- Work in Progress (WIP) function: for multishift, multiuser batches
- Methods can be transferred between instruments without rework

Learn more:

[www.agilent.com/chem/vaya](http://www.agilent.com/chem/vaya)

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AVOID EXPOSURE TO BEAM  
CLASS 3B LASER PRODUCT  
(IEC/EN 60825-1 / 2014)  
MAX. OUTPUT: < 475 mW / WAVELENGTH 830 nm

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