

A person wearing a full-body hazmat suit and a large clear face shield is kneeling on a sandy surface. They are holding a handheld Raman spectrometer device and pointing it at a small sample on the ground. To the left of the person is a dark brown glass bottle with a white cap and a white label. The entire image has a blue color overlay.

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Raman Spectroscopy

A COMPLEMENTARY TECHNOLOGY TO FT-IR

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A complementary technology to FT-IR, Raman Spectroscopy is a technique that identifies unknown chemicals by recording how their uniquely vibrating molecular bonds scatter incident laser light into distinct frequencies.

The key advantage of Raman Spectroscopy is its ability to penetrate a variety of glass and plastic containers such that the potentially dangerous unknown substance need not be handled directly.

As with FT-IR, extensive Raman libraries allow thousands of chemicals to be identified on the basis of their distinct molecular fingerprint.



For product information, sales or service, please go to www.smithsdetection.com/locations

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