

# SciAps

## ANALYZE YOUR WORLD

### A World of Applications

The SciAps brings handheld molecular analysis to the field. Within seconds, our handheld Raman analyzers identify most organic compounds, plus many minerals, gems and complex molecules — often without ever removing the material from its container. Applications of this technology are wide-ranging:

#### Law Enforcement, First Responders

Real time identification of unknown narcotics, explosives, hazards. Quick, in-field testing delivers instant results without waiting days or weeks for back logged crime labs – makes a great frontline screening tool. Samples can be tested undisturbed, eliminating fears of sample tampering or cross contamination.



#### Food Safety, Nutraceuticals, Chemical Production

Quickly verify that raw material and intermediate compounds are labeled correctly. Verify the purity of raw materials. The SciAps Raman product line offers a fast, sure way to verify critical raw materials in your food, “nutraceutical” or chemical processing chain.

#### Plastics Recycling and Identification

Identify and verify the composition of plastic-based products – pellets, imported toys, industrial and consumer goods even synthetic fibers and plastic sorting for recycling.



#### Precious gem and mineral verification

Fake gem? Synthetic? No guessing. SciAps Handheld Raman analyzers offer reliable and rapid verification that is completely non-destructive. This technology is an ideal tool for high volume gem traders, resellers and wholesalers.

#### Haz Mats

Instant ID of hazardous materials in spills, Instantly identify unknown chemicals — particularly liquid and solid organics — at a spill, abandoned site or environmental remediation. Raman spectroscopy easily penetrates typical containers, making analysis fast and safe.



## Question: When is Low Power an Advantage?

Answer: Keep your analysis non-destructive.

If too powerful, laser light can burn or bleach a sample, or in the case of some threats even cause the sample to catch fire or explode. Clearly this is a hazard to the operator and the surroundings. A key benefit of the Raman technology is the optimized collection of Raman scattered light from the sample. In doing so, less laser power is required, compared to competing devices, to yield good quality results. Keep your analysis non-destructive with SciAps.



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