

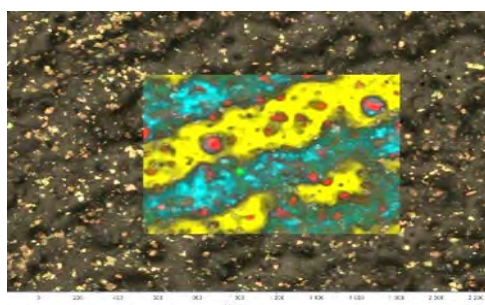


## Unleashing the potential of Raman in various fields of cosmetics

Innovative cosmetic products that produce noticeable effects depend on an in-depth understanding of biological components such as skin, hair and teeth, the development of effective and safe active ingredients, optimized formulations and a comprehensive assessment of their performance using instrumental methods.

Let's explore five key application areas where Raman spectroscopy presents innovative solutions:

- 👉 In-vivo and ex-vivo evaluation
- 👉 Skin knowledge
- 👉 Hair chemistry
- 👉 Raw materials
- 👉 Formulation



Commercial cream with vitamin C and SPF booster inside

**Raman map 1.3 x 1 mm<sup>2</sup>, 30min**

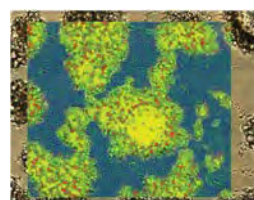
Mosaic + ViewSharp + SmartSampling, 10X obj

HORIBA's Raman instrument plays a pivotal role in the cosmetics industry, offering the capability for in-depth analysis of skincare products, fragrances, and associated materials. This versatile instrument serves as a cornerstone for **quality assurance processes** and the advancement of cutting-edge **cosmetic product research and development**.

### Discover the HORIBA Raman instruments

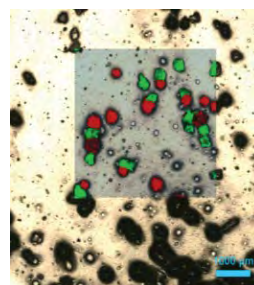
**SmartSampling** technology uses an adaptive step mapping approach to highlight the smallest microscopic details on the surface of your sample at an unprecedented speed

**Large scale ultrafast Raman chemical mapping of domains and aggregated particles of an antiperspirant spray using the SmartSampling modality, obtained in 45 min**



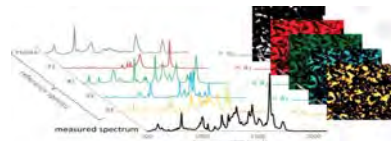
**Viewsharp** ensures optimal focal length quality of Raman images, including topography image, for unique 3D chemical visualization of the sample.

**Combined optical and Raman microscopies using HORIBA graphYX software identifies and count different abrasive particles embedded in a complex formulation, based on their chemical composition (red/orange = charcoal, talc = green)**



With **MVAPIus**, complex Raman chemical images can be processed and characterized quickly and easily.

**Sunscreen, with individual components spectra**



Listen to the webinar to discover the full proposition of HORIBA for cosmetics, including particle characterization, fluorescence, AFM and Raman techniques.

### Watch the webinar

**Stay connected!**



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