

Nefer Ka, LLC

SERS substrates

for Raman Spectroscopy

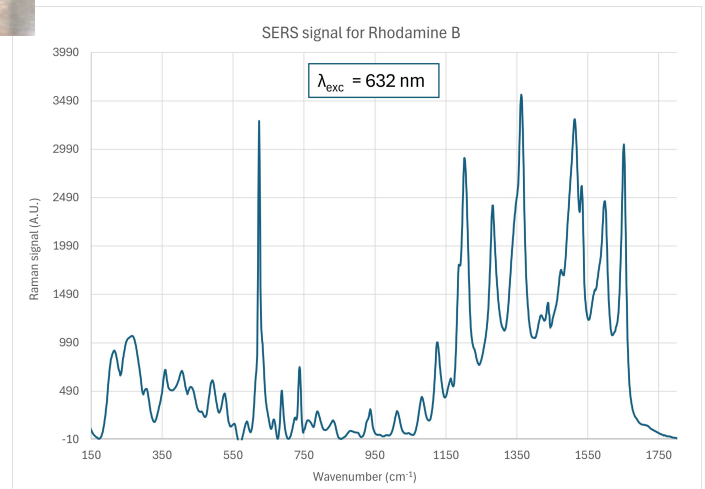


About SERS substrates

SERS substrates, employed to enhance the Raman signal, allow the detection of a host of analytes at ultra low concentrations.

The applications of SERS substrates span many fields such pharmaceuticals, environmental studies, chemical and biological threat detection, food safety, narcotic detection as well as the early detection of certain diseases.

Nefer Ka's patent pending SERS substrates comprise nano caps on textured polymer.



A typical Raman spectrum collected using Nefer Ka's SERS substrates

Why Nefer Ka's SERS substrates

- 1) Production can be scaled up using a roll-to-roll process for ultra-high-volume production.
- 2) Ultra-low background signal.
- 3) Ease of use, active area affixed to a microscope slide.
- 4) High signal to noise ratio. Analytes detected at ultra low concentrations.

Specification

SERS active material	Gold nanocaps
Sensitivity	ppm to ppb
Laser Wavelength	532, 633 & 785 nm (633 nm recommended)
Max Laser power density	20 W/cm ²
Dimensions	75mm x 25mm
Active area	5mm x 5mm or 10mm x 10mm

PRICING

For pricing information or to order your substrates visit www.neferkallc.com

Website: <http://neferkallc.com> | Email: sales@neferkallc.com