

Example of quality report

SERS-NanoTag silver nanospheres, stabilized with functional PEG, 70 nm diameter

Uniform silver nanospheres with an average diameter of 70 nm, stabilized with a functional PEG and functionalized with a Raman reporter

Technical Details:

[Ag] = 1 mg.mL⁻¹

Dispersion media: Milli-Q water

Stabilization and functionalization: PEG stabilized and Raman reporter functionalized particles

UV-visible peak: 443 nm

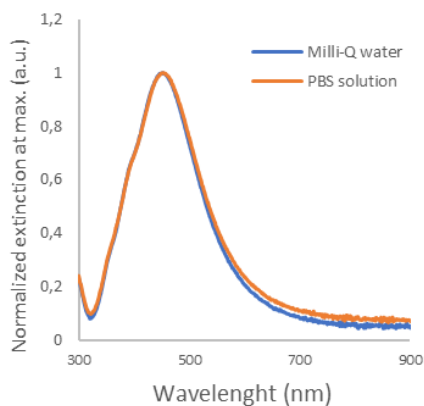
Diameter (TEM): 71.8 ± 8.5 nm

Hydrodynamic diameter (DLS): 92.7 nm (PDI = 0.117)

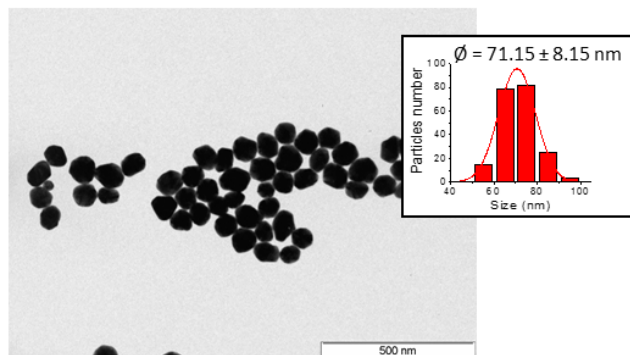
Raman Spectroscopy (main peaks): 1082, 1340 cm⁻¹

Storage: keep the colloidal solution at 4°C. Avoid light. Do not freeze.

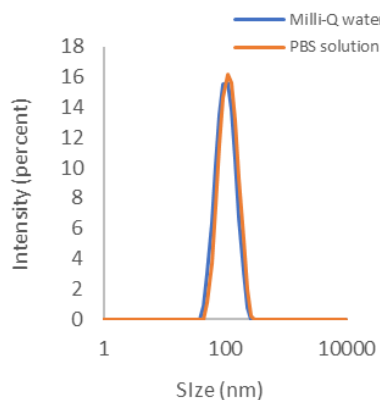
UV-Visible Spectroscopy



Transmission electron microscopy (TEM)



Hydrodynamic radius (dynamic light scattering, DLS)



Raman Spectroscopy

