



GENERAL ENGINEERING AND RESEARCH

Certificate of Analysis

Polymer Coated 80nm Silica Nanoparticles in H₂O – Batch 1560

Product Detail:

SiO₂ Concentration: 5wt%

Polymer coating: Polyvinyl Acetate (PVAc)

Solution: De-ionized H₂O

Silica Nanoparticle Properties:

Mean Particle Diameter (SEM): 80nm+/-10nm

Coefficient of Variation: <20%

Morphology: Spherical

Color: White

Specific Surface Area (BET): 30 - 40 m²/g

Trace metals analysis - Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

<5ppm of Aluminum, Calcium, Iron, Magnesium, Potassium, Sodium, Tin and Zinc

<0.5ppm of Chromium, Cobalt, Copper, Mercury, and Nickel.

<0.05ppm of Lead

Supplier:

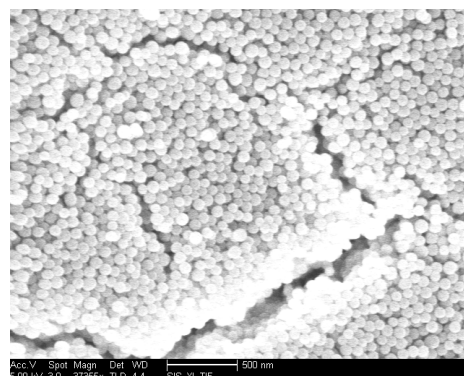
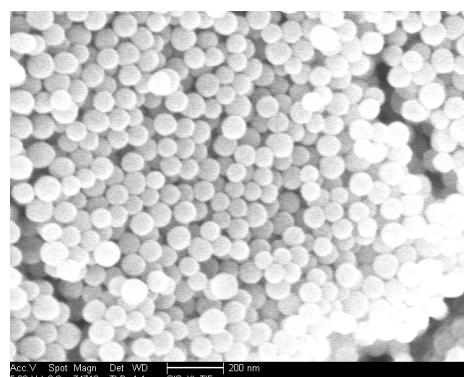
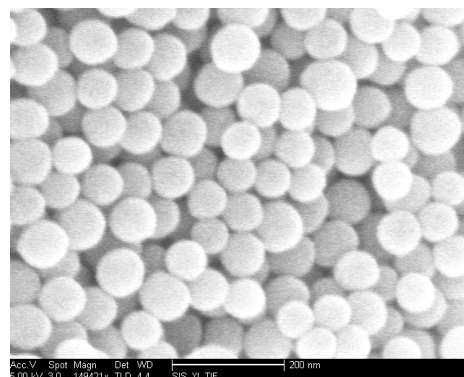
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SEM Images SiO₂ – 1244