

# Silica — NH<sub>2</sub> Groups

SKU: SN21-SI

## Description

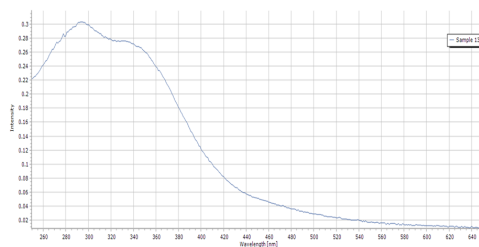
- The range of silica nanoparticles functionalised with amine groups suitable for further functionalization with biomolecules or active functional groups, are part of our newly developed products based on our own unique manufacturing technique
- These materials could be used for the attachment of desired molecules onto silica surfaces including with biomolecules, chelators and binding sites for various applications.

## Applications

- ◆ Biomolecules adsorption and separation
- ◆ Additives
- ◆ Polymers & Packaging
- ◆ Paints and coatings
- ◆ Pharmaceuticals and cosmetics
- ◆ R&D

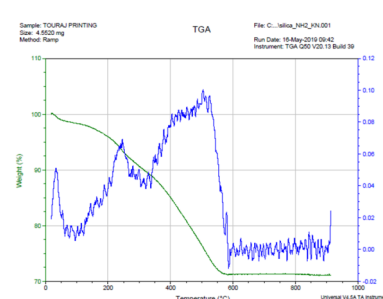
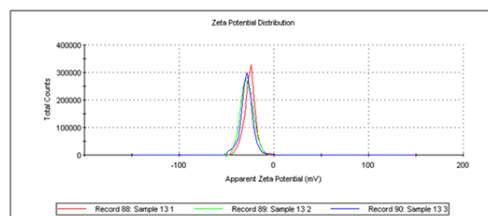
**Physical Characteristics:** available either as a nanopowder or as a dispersion (default solvent is iso-propanol). The solution has good stability and shelf life and can be used as ink, and can be ordered in different sizes, volumes and solvents.

## Analytical Data:

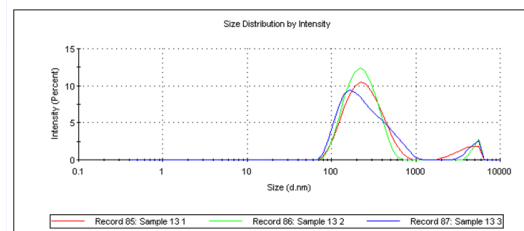


	Mean (mV)	Area (%)	St Dev (mV)
Zeta Potential (mV):	-28.7	99.1	6.43
Zeta Deviation (mV):	6.70	0.9	2.34
Conductivity (mS/cm):	0.320	0.0	0.00

Result quality : Good



	Size (d.nm)	% Intensity	St Dev (d.nm)
Z-Average (d.nm):	235.7		
Pd: 0.347			
Intercept: 0.946			
Result quality : Good			
Peak 1:	274.2	93.1	174.3
Peak 2:	4788	6.9	731.6
Peak 3:	0.000	0.0	0.000



UV-Vis, DTG, DLS and Zeta potential measurements of the product

## Technical Information