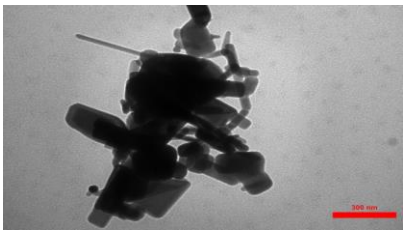
Nano Colloid (ZnO)

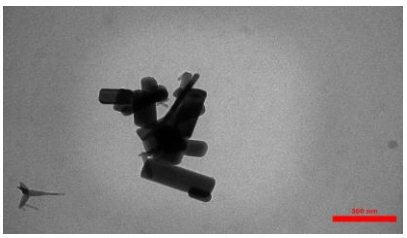
Characterization and Description

Product Identification	
Product Name	Z202
Chemical Formula	ZnO
Intended use	UV block, antibacterial, mineral surfactant
Limitations	None

Physical / Chemical Properties	
Physical state	Colloid
Properties & Use	Antibacterial & UV block
Appearance	Yellow, White
Odor	None
Concentration	4000ppm
Average particle size (APS)	40 -80 nm
Product features	LCD, optical films, cosmetic material, paint. textile, coating & resin, plastic

Chemical Specification	
Solvent	deionized water, Mono ethylene glycol (*MEG*)





Product Information

1.Type: Powder
2.Size: 40 – 80 nm
4.Color: Yellow- White
5.Formula Weight: 81.39g/mol
6.CAS Number: 1314-13-2
8.Formula: ZnO
9.Purity: 99.9%
10.Density: 5600Kg/m^3

Application Categories

1. Academic Research
2. Biopharmaceuticals
3. Chemical R&D
4. Rubber Industry
5. Building Materials
6. Energy & Display
7. Environmental
8. Paint Industry
9. Food & Beverage
10. Medical Materials
11.Semiconductors

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Application

ZnO nanoparticles have different applications including biology, physics, chemistry, cosmetics, optical components, pharmaceutical drug manufacture, polymer science, mechanical engineering, electronics and toxicology. These nanoparticles exhibit antibacterial, anti-corrosive, antifungal, rubber industry, semiconductor industry, photodetectors.and UV filtering properties.

Mixing

Instructions: Depending on your application and industry varies between % 0.5to % 5 wt.

Storage: store in a cool, dry place

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