

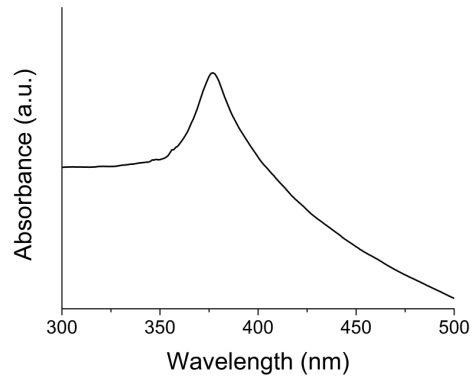
Product Number: 1ZO

Description: ZnO nanoparticles can be supplied in aqueous suspension at different concentrations or in solid form upon request.

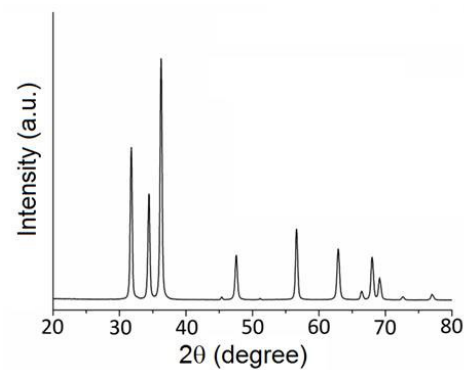
Application: ZnO is a versatile material with a wide range of applications including pharmaceuticals, ceramics, pigments for paints, photoelectronic/electronic and piezoelectric devices, electrodes for solar cells, and photocatalysis.

Properties:

	Powder	Suspension
Color	White	Colorless/white
Morphology	nearly spherical	nearly spherical
Structure	hexagonal, wurtzite crystal	
pH	6 – 7	
Particle Size	40 nm	40 nm
UV Absorption	λ max 375 nm	

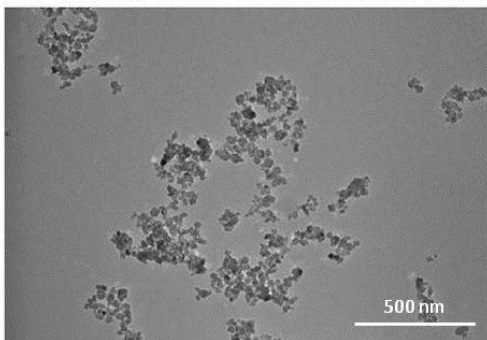


UV – visible spectrum

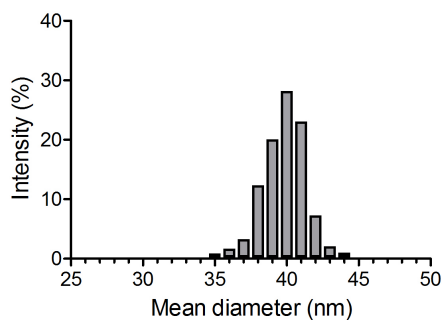


XRD analysis

Quality Control of ZnO nanoparticles:



TEM analysis



DLS particle size distribution

Caution: Store suspensions between 4-22 °C; do not freeze. Avoid highly coordinating buffers and low pH.