

Zinc Oxide Nano Particle



Zinc oxide (ZnO) nano particles are manufactured with multi-points of quality checks.



APS: <100 nm

AD-ZnO

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PRODUCT FEATURES

ZnO

Purity: >99%

Advantages

- ▶ Zinc oxide Nanoparticles are versatile.
- ▶ Antibacterial, Antifungal and Antifouling agent.
- ▶ Have good chemical stability, Thermal resistance.
- ▶ Robustness and long shelf life.
- ▶ Have selective Toxicity to Bacteria
- ▶ Have Excellent Biocompatibility and Low Toxicity.
- ▶ Ability to Trigger excess reactive Oxygen species (ROS) production.
- ▶ ZnO nanoparticles have UV-blocking properties.

Applications

Self-compacting Concrete

Gas Sensor, Biosensor

Paints and Coatings

Anti-microbial Applications

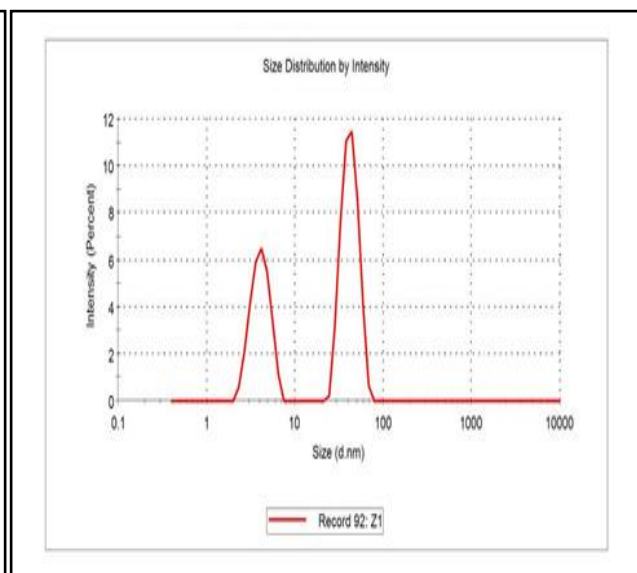
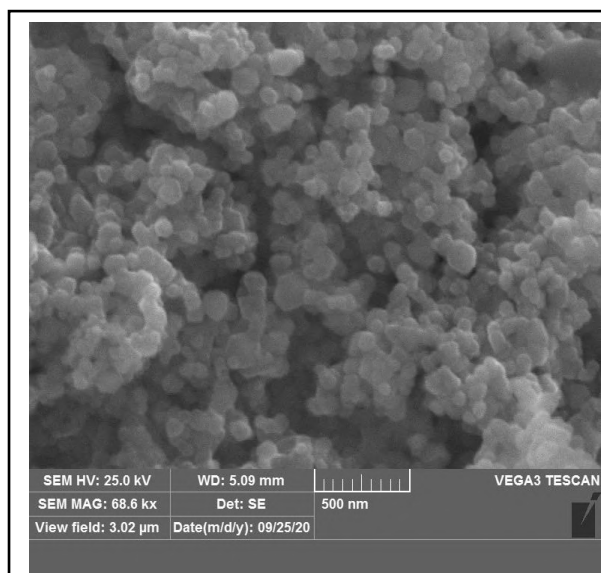
Optical Devices,
Window Materials
For Displays

Solar Cells

TECHNICAL DATA SHEET

SPECIFICATION

AD-ZnO	DESCRIPTION
PURITY	>99 %
AVERAGE PARTICLE SIZE	<100 nm
PHYSICAL FORM	POWDER
SSA	100-120 m ² /g
BULK DENSITY	0.54 g/cm ³
CAS NO	1314-13-2
MORPHOLOGY OF NANO PARTICLE	NEAR SPHERICAL
COLOUR	WHITE TO SLIGHT YELLOW



DISCLAIMER

The values are typical and are for very general guidance and must not be used as a basis for specifications as concrete. Information contained in this publication, and otherwise supplied to users, is based on our general experience and is given in good faith, but we are unable to accept responsibility in respect of factors which are outside our knowledge or control. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. Please refer to MSDS of respective product for safe use.