

**NS6130-02-251**

# Cadmium Sulfide

## Nanoparticles

### Quick Facts

Product	:	Cadmium Sulfide Nanoparticles
Stock No	:	NS6130-02-251
CAS	:	1306-23-6
Molecular Formula	:	CdS
Form	:	Powder

**Purity**  
99.9%

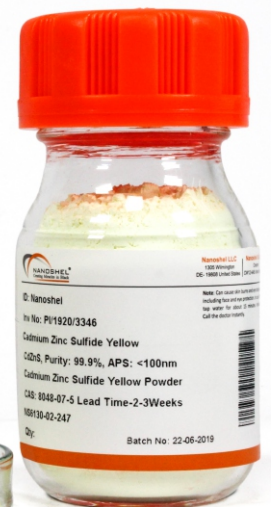
### Technical Specification

Molecular Weight	Density	Melting Point	APS
144.47g/mol	4.82 g/cm <sup>3</sup>	1750°C	60nm

Cadmium sulfide is the inorganic compound with the formula CdS. Cadmium sulfide is used as pigment in paints, plastics, textiles, ceramic and glass and is also used in solar cells, smoke and radiation detectors, light-emitting diodes and photomultipliers.

- ✓ Light dependent resistors/photoresistors for light sensors
- ✓ Chemical bath deposition, CBD
- ✓ Sol gel techniques
- ✓ MOCVD
- ✓ Sputtering
- ✓ Electrochemical deposition
- ✓ Spraying with precursor cadmium salt, sulfur compound and dopant
- ✓ Screen printing using a slurry containing dispersed CdS

**CdS**  
APS 60nm



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20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015  
CERTIFIED COMPANY

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