

NS6130-02-266

CdSe/ZnS Quantum Dots

Quick Facts

Product	:	CdSe ZnS Quantum Dots
Stock No	:	NS6130-02-266
CAS	:	1306-25-8
Molecular Formula	:	CdSe/ZnS Qds
Color	:	Blue

Purity
99.9%

Technical Specification

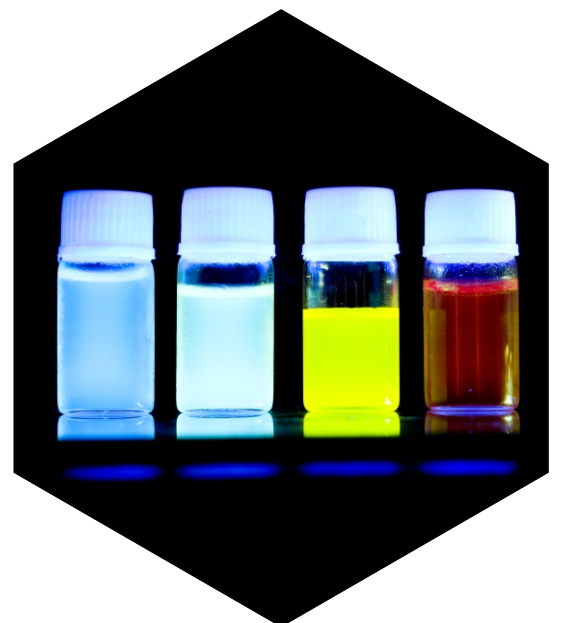
Concentration	Density	Melting Point	APS
5 mg/mL	0.865 g/cm ³	110-111 °C	<5nm

In recent years, there has been growing interest in the use of CdSe/ZnS Quantum Dots. Recently, semiconductor QDs were used for different applications ranging from optoelectronic to bio-molecular applications. CdSe/ZnS quantum dots are gradient alloyed semiconductor materials with size dependent optical/electronic properties, high fluorescence efficiency, low toxicity and easy cell absorb. Especially, colloidal quantum dots (QDs) are used in fluorescence, bio-sensing, bio-imaging and, most important, bio-diagnosis applications. For medical diagnosis purposes, usually organic dyes were used; these have less photostability and less sensitivity.

Application

- ✓ Highly sensitive cellular imaging
- ✓ Photovoltaic devices
- ✓ Drug delivery
- ✓ Solar cells
- ✓ Light emitting devices

CdSe/ZnS



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20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
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