



NANOZINO

Product Information

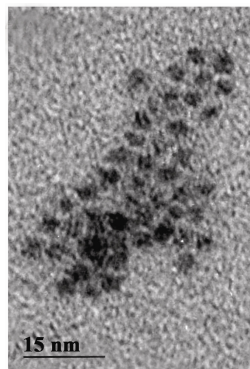
Quantum Dots Colloidal Solution

Cat. No.: NZ-QDNP-10-CS

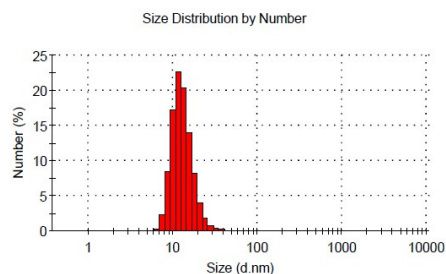
Technical Data Sheet

Properties	Chemicals/Test Methods	Value	Unit
Formula	Cadmium/Tellurium	Cd/Te	-
Formula weight	-	240	g/mol
Appearance	-	Solution	-
Color	-	-	-
Particle size	TEM	2-3	nm
Size distribution	DLS	2-5	nm
Em. Wavelength	Spectrofluorimeter	450-600	nm
Ex. Wavelength	Spectrofluorimeter	380	nm
pH	pH meter	7	-
Purity	Atomic Absorption	99.9	%
Morphology	TEM	Spherical	-
Dispersant	Water	-	-
Stabilizer	Thiolycolic Acid	1500	ppm
Prod. Cap./month	-	≥100	mL

TEM image of QD colloidal solution



Size distribution of QD colloidal solution



Package:

- 1 mL
- 5 mL
- 10 mL

Applications:

- Electronics
- Sensors
- Solar cells
- Biology & Medicine

Chemical / Physical Properties:

- High fluorescence emission

Safety:

- Keep away from the reach of the children.
- For research & development applications only.
- Wear latex gloves & safety goggles before use.

Storage Conditions:

- Keep the bottle in a refrigerator.
- Keep away from direct sunlight.
- Keep away from freezing.

Corresponding Material Safety Data Sheet is available from Zist Shimi Azma Roshd; NANOZINO R&D Co., Product Safety Department, or can be downloaded from our homepage nanozino.com. We strongly recommend reading carefully the material safety data sheet prior to the use of the product. Contact us for further consultant.