



Technical Specifications

Updated 12/13/17

CdS Core Quantum Dots

Composition	Cadmium Sulfide Quantum Dots
Stabilizing ligand	Oleic acid ligand
Concentration	Order amount dependent
Organic Impurities	<1% (not including ligands)
Solvent*	Toluene
Volume	Order amount dependent
Lifetime	One year if stored properly. Dark at 2-8°C
PL FWHM (nm)	16-24
UV-Vis FWHM (nm)	26-34
Quantum Yield	>20%

*Other solvents are available upon request.

Catalogue #	UV peak (nm)	Emission Peak (nm)	Size (nm)	nmol/mg
CS-360	360±10	365-390	2.3	20.0
CS-380	380±10	385-410	2.8	15.0
CS-400	400±10	405-430	3.4	10.0
CS-420	420±10	425-450	4.1	6.0
CS-440	440±10	445-470	4.9	4.5
CS-460	460±10	465-490	5.7	3.0

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