



Technical Specifications

Updated 1/4/18

CdSe Core Quantum Dots

Composition	Cadmium Selenide Quantum Dots
Stabilizing ligand	Octadecyl amine (ODA) ligands
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)	23-28
UV-Vis FWHM (nm)	22-26
Quantum Yield	>30%

*Other solvents are available upon request.

Catalogue #	UV peak (nm)	Emission Peak (nm)	Size	nmol/mg
CSE-460	460±10	460-480	2.0	20.0
CSE-480	480±10	485-510	2.2	20.0
CSE-500	500±10	505-530	2.3	20.0
CSE-520	520±10	525-550	2.6	20.0
CSE-540	540±10	545-570	2.9	20.0
CSE-560	560±10	565-570	3.3	15.0
CSE-580	580±10	585-610	3.8	10.0
CSE-590	590±10	595-620	4.2	4.0
CSE-600	600±10	610-625	4.6	3.0
CSE-610	610±10	620-635	5.1	2.0
CSE-620	620±10	615-650	5.6	1.0
CSE-640	640±10	645-670	6.9	1.0

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