



Technical Specifications

Updated 10-17-18

D-dots™

Composition	Manganese doped Zinc Selenide Nanocrystals
Stabilizing ligand	Oleylamine(600) Oleic Acid(620)
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)	< 70 nm
Quantum Yield	> 50%

*Other solvents are available upon request.

Catalogue #	UV peak (nm)	Emission Peak (nm)	Size (nm)	Molecular weight (g/mol)	nmol/mg
DD-600	NA	600±10	5.0±0.5	4.51E05	2.0
DD-620	NA	620±10	6.0±0.5	6.79E05	1.5

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