

Technical Specifications

InP/ZnS Quantum Dots in Organic Solvent

Composition	Indium Phosphide / Zinc Sulfide quantum dots
Stabilizing ligand*	Oleic acid (OA) 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)	35-50
Quantum Yield	>70%

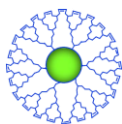
* Other ligands such as oleylamine, dodecanethiol are available upon request.

** Other solvents are available upon request.

Catalogue #	UV peak (nm)	Emission Peak (nm)	FWHM (nm)
HEINP530	510±15	530±15	35-40
HEINP560	540±15	560±15	35-40
HEINP590	570±15	590±15	37-42
HEINP620	600±15	620±15	40-45
HEINP650	630±15	650±15	45-50

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Catalogue #	Core diameter (nm)	Shell Thickness (nm) **	Total Diameter (nm)
HEINP530	2-2.5	3-4.5	5-7
HEINP560	2.5-3	3-4.5	5.5-7.5
HEINP590	2.5-3	4-5.5	6.5-8.5
HEINP620	3-3.5	4.5-6	7.5-9.5
HEINP650	3.5-4	5-6.5	8.5-10.5

**Thickness of shell is expressed as total diameter added to core.