

InP/ZnS Core/shell Nanocrystals

Description: InP/ZnS core/shell nanocrystal is a new environmentally-friendly, heavy metal-free, high performance alternative to cadmium selenide-based (CdSe) quantum dots for research and teaching applications. CdSe-based quantum dots, the current workhorse of quantum dot luminescent materials, are known to be highly toxic and environmentally hazardous but are still used widely because of the absence, until now, of alternative materials. The indium phosphide-based (InP) quantum dots, offer high performance while eliminating the use of cadmium, a Level A toxic element with zero use tolerance for purpose-built commercial applications.

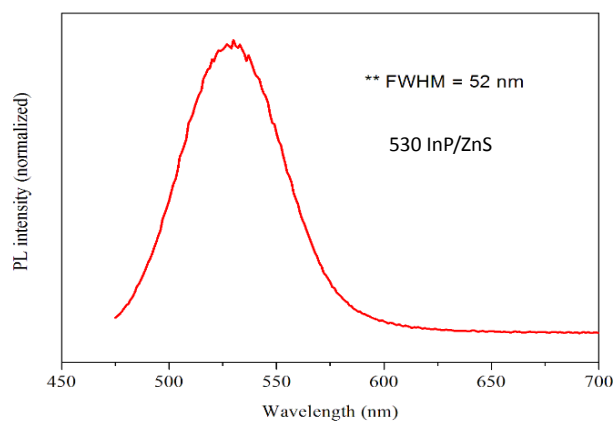
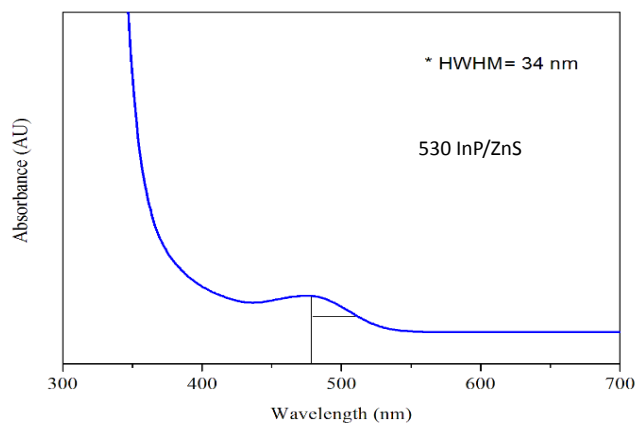
Product name: InP/ZnS core/shell nanocrystals
Catalog number: G01-G05
Solvent: Non-Polar Solvent, typically toluene
Surface ligand: Alkyl Amine
Storage: 4-25 °C; Do not freeze
Shelf life: 12 months

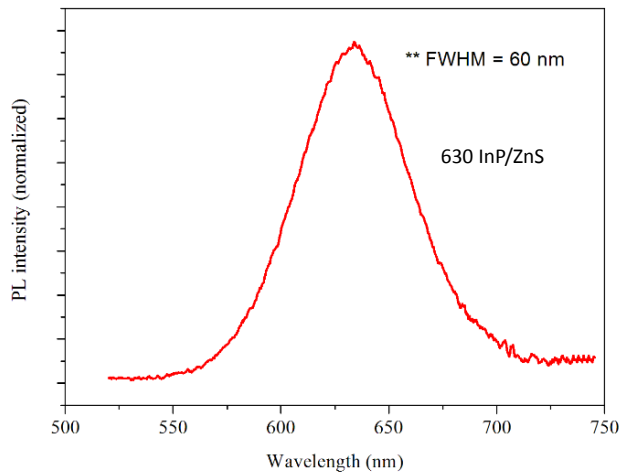
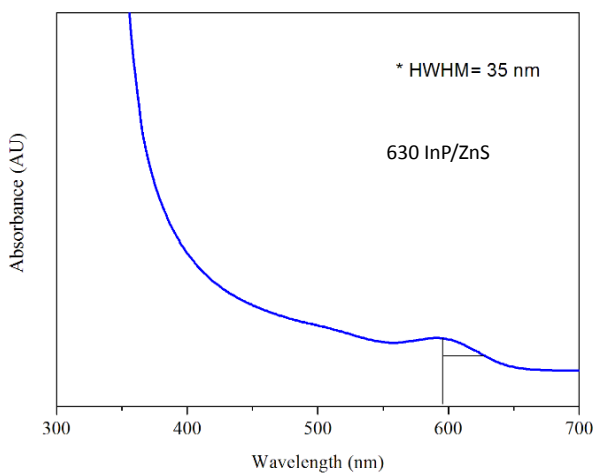
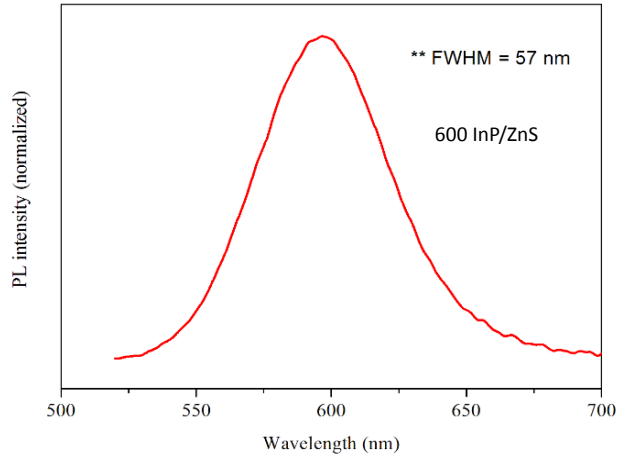
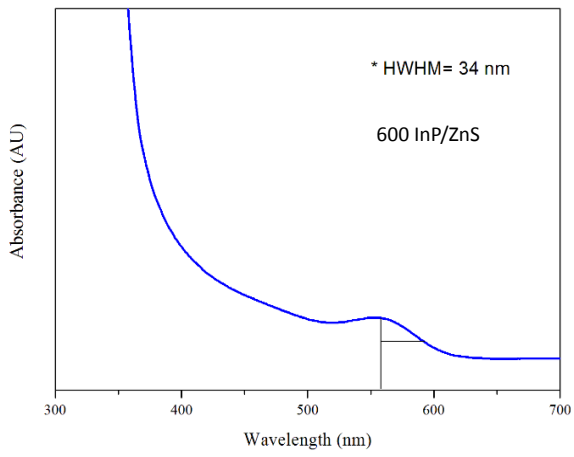
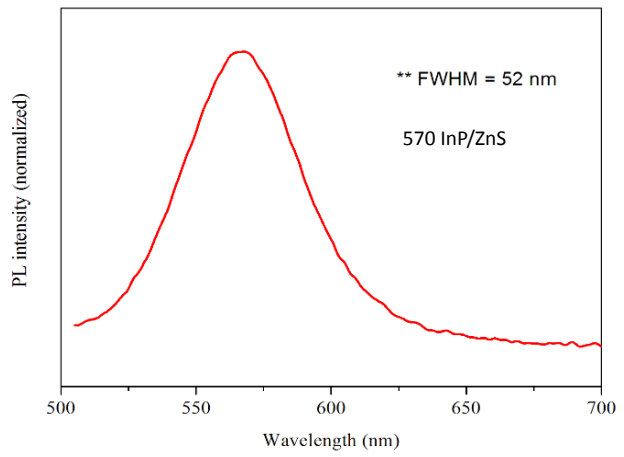
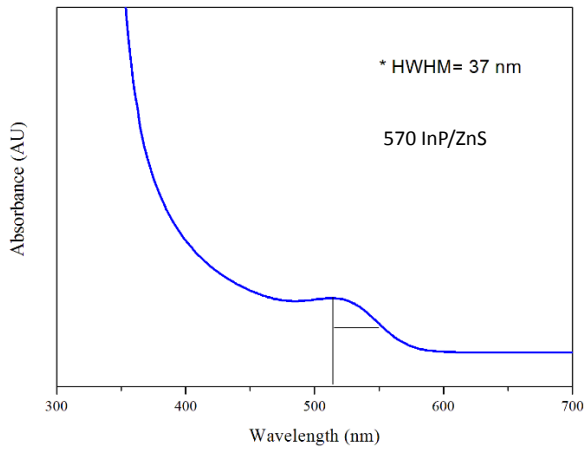
Emission peak/nm	FWHM*/nm	Quantum yield**	Structure
530±10	<70	>30%	InP/ZnS/ Alkyl Amine
570±10	<70	>30%	InP/ZnS/ Alkyl Amine
600±10	<70	>30%	InP/ZnS/ Alkyl Amine
630±10	<70	>30%	InP/ZnS/ Alkyl Amine
650±10	<70	>30%	InP/ZnS/ Alkyl Amine

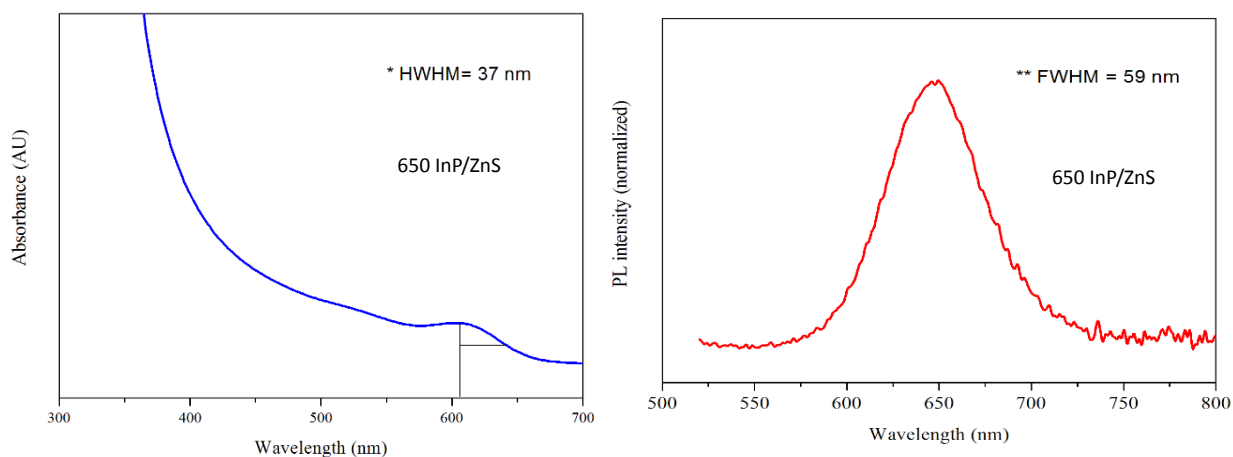
* FWHM means Full Width of Half Maximum

**Quantum yield was measured by integrating method

Spectra:







Related NNCrystal Products

Visit our web site for more information related to this product : www.nncrystal.com

Disclaimer:

There is no obligation to replace products as the result of (i)improper storage and handling of the product,(ii)use of the products in a manner not designed for,(iii)accident,disaster or event of force majeure.

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