

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaldrich.com](http://www.sigmaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

CdSe/ZnS core-shell type quantum dots - stabilized with octadecylamine ligands, fluorescence  $\lambda_{em}$  520 nm, solid

Product Number: 748021

Formula: CdSe/ZnS

TEST	Specification
Appearance (Form)	Solid
Composition CdSe/ZnS	Confirmed
Quantum Yield	$\geq 50\%$
Absorption Max	495 - 525 nm
Emission Wavelength	510 - 530 nm
Miscellaneous Assay Full Width Half Max (FWHM), nm	
Miscellaneous Supplier Data Surface Group: Octadecylamine	Confirmed
Product of Supplier Ocean Nanotech; LLC	Confirmed

Specification: PRD.0.ZQ5.10000101982

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.