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Certificate of Analysis

Product Name:

CdSe/ZnS quantum dots - fluorescence λ_{em} 635 nm, 5 mg/mL in toluene/aliphatic amine

Product Number: 731870
Lot Number: MKBG9515
Brand: ALDRICH
Formula: CdSe/ZnS
Storage Temperature: Store at 2 - 8 °C
Quality Release Date: 19 AUG 2011

Test	Specification	Result
Appearance (Color)	Red	Red
Appearance (Form)	Liquid	Liquid
Emission Wavelength (Nanosys; Inc.)	631 - 639 nm	635 nm
Miscellaneous Assay Full Width Half Max (FWHM) (Nanosys; Inc.)	≤ 60	32
Assay Quantum Yield (Nanosys; Inc.)	≥ 80 %	84 %
Miscellaneous Assay Solvent and Concentration 5g/ml in Toluene (Nanosys; Inc.)	Conforms	Conforms
Product of Supplier Nanosys; Inc.	Confirmed	Confirmed



Jamie Gleason, Manager
 Quality Control
 Milwaukee, Wisconsin US

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. 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.