

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

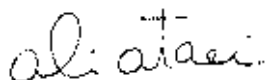
Certificate of Analysis

Product Name:

CDSE/ZNS CORE-SHELL TYPE QUANTUM DOTS,&

Product Number: 790192
Batch Number: MKBQ8240V
Brand: ALDRICH
Formula: CdSe/ZnS
Quality Release Date: 08 APR 2014

Test	Specification	Result
Appearance (Form)	Solid	Solid
Composition CdSe/ZnS	Confirmed	Confirmed
Quantum Yield	≥ 50 %	> 50 %
Absorption Max	595 - 625 nm	605 nm
Emission Wavelength	610 - 630 nm	616 nm
Full Width Half Max (FWHM)		25 nm
Miscellaneous Supplier Data Surface Group: Octadecylamine	Confirmed	Confirmed
Product of Supplier Ocean Nanotech; LLC	Confirmed	Confirmed



Ali Ataei, Manager
 Quality Control
 Milwaukee, WI 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.