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## Product Specification

Product Name:

PbS core-type quantum dots - oleic acid coated, fluorescence  $\lambda_{em}$  1100 nm, 10 mg/mL in toluene**Product Number: 900735**

Storage Temperature: 2 - 8 °C

TEST	Specification
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Appearance (Color)	Brown to Very Dark Brown and Black
Appearance (Form)	Liquid
ICP Major Analysis Confirms Lead and Sulfur Components	Confirmed
Concentration 10(+/-1) mg/mL	Confirmed
Emission Maximum	1075 - 1125 nm
Full Width Half Max (FWHM) of absorption (OD1)	≤ 110 nm
Recommended Retest Period 1 Year	-----

Specification: PRD.2.ZQ5.10000085116

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.