

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-18 13:23:45
Date of Next Testing: 2026-08-18 13:23:45
Product Name: **PbS Quantum Dots**
CAS Number:
Specifications & Purity: fluorescence λ em 1330 nm, stabilized with octadecylamine ligands
Lot #: J2119088
SKU #: **P140916**
Version: **0**
Analysis #: **554711**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Emission Peak	1305-1355 (nm)	1314.00 nm
Quantum yield	≥ 40 (%)	44.13%
L x W	120-150 (nm)	133.00 nm
First Excitation	1250-1350 (nm)	1271.00 nm
Surface Group, Octadecylamine	Conforms	Conforms



John Su
QA & QC Manager