

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-23 09:49:08

Date of Next Testing: 2026-10-23 09:49:08

Product Name: **PbS Quantum Dots**

CAS Number:

Specifications & Purity: fluorescence λ_{em} 1120 nm, stabilized with octadecylamine ligands

Lot #: J2511640

SKU # **P140913**

Version **0**

Analysis #: **582429**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
L × W	120-150 (nm)	146.00000 nm
Emission Peak	1095-1145 (nm)	1120.00000 nm
Quantum yield	≥40 (%)	45.23600 %
First Excitation	950-1050 (nm)	1005.00000 nm
Surface Group, Octadecylamine	Conforms	Conforms



John Su
QA & QC Manager