

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-06-12 11:33:18  
Date of Next Testing: 2025-06-12 11:33:18  
Product Name: **PbS Quantum Dots**  
CAS Number:  
Specifications & Purity: fluorescence  $\lambda$ em 1120 nm, stabilized with octadecylamine ligands  
Lot #: H2329794  
SKU #: **P140913**  
Version: **0**  
Analysis #: **366406**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
L × W	120-150 (nm)	133.00 nm
Emission Peak	1095-1145 (nm)	1140.00 nm
Quantum yield	≥40 (%)	41.00 %
First Excitation	950-1050 (nm)	1040.00 nm
Surface Group, Octadecylamine	Conforms	Conforms



John Su  
QA & QC Manager