

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-03 16:44:12  
Date of Next Testing: 2025-07-03 16:44:12  
Product Name: **PbS Quantum Dots**  
CAS Number:  
Specifications & Purity: fluorescence  $\lambda$ em 1420 nm, stabilized with octadecylamine ligands  
Lot #: J2309044  
SKU #: **P140917**  
Version: **0**  
Analysis #: **380044**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
L × W	120-150 (nm)	135.00 nm
Quantum yield	≥40 (%)	44.65 %
Emission Peak	1395-1445 (nm)	1420.00 nm
First Excitation	1350-1450 (nm)	1373.00 nm
Surface Group, Octadecylamine	Conforms	Conforms



John Su  
QA & QC Manager