

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-06-20 09:07:06
Date of Next Testing: 2025-06-20 09:07:06
Product Name: **PbS Quantum Dots**
CAS Number:
Specifications & Purity: fluorescence λ em 1120 nm, stabilized with octadecylamine ligands
Lot #: H2329792
SKU #: **P140913**
Version: **0**
Analysis #: **372541**
Storage Temperature: Store at 2-8°C

| Parameter | Limit Values | Result |
|-------------------------------|----------------|------------|
| L × W | 120-150 (nm) | 132.00 nm |
| Emission Peak | 1095-1145 (nm) | 1139.00 nm |
| Quantum yield | ≥40 (%) | 40.00 % |
| First Excitation | 950-1050 (nm) | 1039.00 nm |
| Surface Group, Octadecylamine | Conforms | Conforms |



John Su
QA & QC Manager