



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-11 14:23:52

Date of Next Testing: 2025-10-11 14:23:52

Product Name: **PbS Quantum Dots**

CAS Number:

Specifications & Purity: fluorescence λ em 1420 nm, stabilized with octadecylamine ligands

Lot #: J2409608

SKU # **P140917**

Version **0**

Analysis #: **408306**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Quantum yield	≥ 40 (%)	41.00000 %
Emission Peak	1395-1445 (nm)	1420.00000 nm
L $\times$ W	120-150 (nm)	150.00000 nm
First Excitation	1350-1450 (nm)	1377.00000 nm
Surface Group, Octadecylamine	Conforms	Conforms

John Su
QA & QC Manager