

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-11 14:51:52

Date of Next Testing: 2024-05-10 14:51:52

Product Name: **PbS Quantum Dots**

CAS Number:

Specifications & Purity: fluorescence λ_{em} 1420 nm, stabilized with octadecylamine ligands

Lot #: J2119089

SKU #: **P140917**

Version: **0**

Analysis #: **221988**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
L × W	120-150 (nm)	135.00000 nm
Quantum yield	≥40 (%)	44.70000 %
Emission Peak	1395-1445 (nm)	1421.00000 nm
First Excitation	1350-1450 (nm)	1375.00000 nm
Surface Group, Octadecylamine	Conforms	Conforms



John Su
QA & QC Manager