

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-12 10:37:48
Date of Next Testing: 2023-08-12 10:37:48
Product Name: **PbS Quantum Dots**
CAS Number:
Specifications & Purity: fluorescence λ em 1120 nm, stabilized with octadecylamine ligands
Lot #: J2119082
SKU #: **P140913**
Analysis: **124342**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
L × W	120-150 (nm)	135.00 nm
Emission Peak	1095-1145 (nm)	1120.00 nm
Quantum yield	≥40 (%)	44.60%
First Excitation	950-1050 (nm)	975.00 nm
Surface Group, Octadecylamine	Conforms	Conforms



John Su
QA & QC Manager