

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-05 14:32:42

Date of Next Testing: 2025-11-05 14:32:42

Product Name: **PbS Quantum Dots**

CAS Number:

Specifications & Purity: fluorescence λ em 1330 nm, stabilized with octadecylamine ligands

Lot #: J2119086

SKU #: **P140916**

Version: **0**

Analysis #: **430806**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Emission Peak	1305-1355 (nm)	1324.00000 nm
Quantum yield	≥ 40 (%)	44.30000 %
L $\times$ W	120-150 (nm)	134.00000 nm
First Excitation	1250-1350 (nm)	1274.00000 nm
Surface Group, Octadecylamine	Conforms	Conforms



John Su
QA & QC Manager