



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-18 13:22:44

Date of Next Testing: 2026-08-18 13:22:44

Product Name: **PbS Quantum Dots**

CAS Number:

Specifications & Purity: fluorescence λ em 1250 nm, stabilized with octadecylamine ligands

Lot #: J2119084

SKU # **P140915**

Version **1**

Analysis #: **554710**

Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
L × W	130-180 (nm)	131.00000 nm
Quantum yield	≥40 (%)	43.13000 %
Emission Peak	1225-1275 (nm)	1245.00000 nm
Surface Group, Octadecylamine	Conforms	Conforms

John Su
QA & QC Manager