

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-12 10:34:17

Date of Next Testing: 2023-08-12 10:34:17

Product Name: **PbS Quantum Dots**

CAS Number:

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

Lot #: J2119085

SKU # **P140915**

Version **1**

Analysis #: **124336**

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

Parameter	Limit Values	Result
L × W	120-150 (nm)	134.00000 nm
Quantum yield	≥40 (%)	43.60000 %
First Excitation	1150-1250 (nm)	1175.00000 nm
Emission Peak	1225-1275 (nm)	1250.00000 nm
Surface Group, Octadecylamine	Conforms	Conforms



John Su
QA & QC Manager