

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-27 13:31:47

Date of Next Testing: 2026-11-27 13:31:47

Product Name: **Cadmium selenide quantum dot (CdSe core)**

CAS Number: 1306-24-7

Specifications & Purity: 50umol/L in hexanes,625nm peak emission

Lot #: B2328821

SKU # **C396240**

Version **3**

**Analysis #:** **613781**

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

| Parameter                  | Limit Values                | Result                     |
|----------------------------|-----------------------------|----------------------------|
| Full Width at Half Maximum | $\leq 38$ (nm)              | 32.99800 nm                |
| Concentration              | 45-55 ( $\mu\text{mol/L}$ ) | 49.99600 $\mu\text{mol/L}$ |
| Peak Emission Wavelength   | 615-635 (nm)                | 628.78000 nm               |
| Solvent(Heptane)           | Conform                     | Conform                    |



John Su  
QA & QC Manager