

## Certificate of Analysis

Date of Testing: 2024-05-16 10:27:53  
Date of Next Testing: 2025-05-16 10:27:53  
Product Name: **CdSe/ZnS Quantum Dots**  
CAS Number:  
Specifications & Purity: fluorescence  $\lambda_{em}$  545 nm, 8  $\mu\text{mol/L}$  in H<sub>2</sub>O  
Lot #: B2209348  
SKU #: **C139725**  
**Analysis:** **358568**  
Storage Temperature: Store at 2-8°C

| Parameter                         | Limit Values                  | Result                 |
|-----------------------------------|-------------------------------|------------------------|
| Emission Wavelength               | 543-547 (nm)                  | 544.00 nm              |
| Concentration in H <sub>2</sub> O | 7.5-8.5 ( $\mu\text{mol/L}$ ) | 8.08 $\mu\text{mol/L}$ |
| Quantum yield                     | $\geq 30$ (%)                 | 32.53 %                |
| Half peak width                   | 0-30 (nm)                     | 15.96000 nm            |



John Su  
QA & QC Manager