

## Certificate of Analysis

Date of Testing: 2024-12-19 10:03:41

Date of Next Testing: 2028-12-18 10:03:41

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

CAS Number: 1306-24-7(solution)

Specifications & Purity: stabilized with ODPA/TOPO , fluorescence emission 540-550 nm , uv absorption 510-540 nm , 50µmol/L in hexanes

Lot #: L2413170

SKU # **C396224**

Version **3**

**Analysis #:** **087324**

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

| Parameter                  | Limit Values                   | Result                         |
|----------------------------|--------------------------------|--------------------------------|
| Emission Wavelength        | 540-550(nm)                    | 548.00 nm                      |
| Concentration in hexanes   | 45-55 (µmol/L)                 | 50.00000 µmol/L                |
| Full Width at Half Maximum | 10-30(nm)                      | 26.00000 nm                    |
| Absorbance Wavelength      | 510-540(nm)                    | 538.00000 nm                   |
| Appearance(C396224)        | Clear Red-Orange to Red Liquid | Clear Red-Orange to Red Liquid |



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