

Certificate of Analysis

Date of Testing: 2023-08-03 16:22:50
Date of Next Testing: 2026-08-02 16:22:50
Product Name: **Graphene quantum dots**
CAS Number: 7440-44-0
Specifications & Purity: blue luminescent, powder
Lot #: G2318791
SKU #: **G433456**
Analysis: **245772**
Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Thickness	0.4-0.8 (nm)	0.60000 nm
Sheet diameter	3-13 (nm)	9.00000 nm
Number of layers	1-3	2.00000
Emission Maximum(0.1 mg/mL in water)	435-455 (nm)	450.00000 nm
Appearance(G433456)	Faint Brown to Dark Brown Powder	Faint Brown to Dark Brown Powder



John Su
QA & QC Manager