

Certificate of Analysis

Date of Testing: 2025-03-03 19:14:33

Date of Next Testing: 2028-03-02 19:14:33

Product Name: **Graphene quantum dots**

CAS Number: 7440-44-0

Specifications & Purity: blue luminescent, powder

Lot #: B2528381

SKU #: **G433456**

Version: **1**

Analysis #: **464810**

Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Thickness	0.4-0.8 (nm)	0.50000 nm
Sheet diameter	3-13 (nm)	4.00000 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



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