

Certificate of Analysis

Date of Testing: 2023-08-19 10:50:25
Date of Next Testing: 2026-08-18 10:50:25
Product Name: **Graphene quantum dots**
CAS Number: 7440-44-0
Specifications & Purity: aqua green luminescent, powder
Lot #: H2315428
SKU #: **G433455**
Analysis: 239282
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Quantum yield	≥10 (%)	12.90%
Full Width at Half Maximum	90-100(nm)	93.40000 nm
Emission Maximum(0.1 mg/mL in water)	510-530 (nm)	518.00000 nm
Appearance(G433455)	aqua green luminescent powder	aqua green luminescent powder



John Su
QA & QC Manager