

Certificate of Analysis

Date of Testing: 2023-08-03 16:19:25
Date of Next Testing: 2026-08-02 16:19:25
Product Name: **Graphene quantum dots**
CAS Number: 7440-44-0
Specifications & Purity: blue luminescent, powder
Lot #: G2318795
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 |



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