

## Certificate of Analysis

Date of Testing: 2022-05-02 11:25:18  
Date of Next Testing: 2025-05-01 11:25:18  
Product Name: **Graphene**  
CAS Number: 1034343-98-0  
Specifications & Purity: High purity grade , > 98 %  
Lot #: C2222480  
SKU #: **G302114**  
**Analysis:** **075828**  
Storage Temperature: Room temperature

| Parameter               | Limit Values                | Result                   |
|-------------------------|-----------------------------|--------------------------|
| Thickness               | 1-3 (nm)                    | 2.00 nm                  |
| Purity                  | 98-100 (%)                  | 98.00 %                  |
| Specific Surface Area   | 100-200 (m <sup>2</sup> /g) | 150.00 m <sup>2</sup> /g |
| Electrical conductivity | 1000-1500 (S/m)             | 1250.00000 S/m           |
| Tap density             | 5-10 (mg/ml)                | 8.00000 mg/ml            |
| Layers                  | < 3                         | 2.80                     |
| Scale                   | > 50 (μm)                   | 52.00000 μm              |
| Appearance(G302114)     | Black powder                | black powder             |
| X-Ray Diffraction       | Conforms to Structure       | Conforms to Structure    |



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QA & QC Manager