

## Certificate of Analysis

Date of Testing: 2023-10-11 17:23:35  
Date of Next Testing: 2026-10-10 17:23:35  
Product Name: **Graphene**  
CAS Number: 1034343-98-0  
Specifications & Purity: High purity grade , > 98 %  
Lot #: J2307032  
SKU #: **G302114**  
**Analysis:** **151350**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Thickness	1-3 (nm)	1.20 nm
Layers	< 3	2.96
Purity	98-100 (%)	98.20 %
Scale	> 50 (µm)	50.32000 µm
Specific Surface Area	100-200 (m <sup>2</sup> /g)	101.00 m <sup>2</sup> /g
Electrical conductivity	1000-1500 (S/m)	1001.00000 S/m
Tap density	5-10 (mg/ml)	5.10000 mg/ml
Appearance(G302114)	Black powder	black powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager