

## Certificate of Analysis

Date of Testing: 2022-09-03 16:31:31  
Date of Next Testing: 2025-09-02 16:31:31  
Product Name: **Graphene**  
CAS Number: 1034343-98-0  
Specifications & Purity: High purity grade , > 98 %  
Lot #: H2229385  
SKU #: **G302114**  
**Analysis: 124857**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Thickness	1-3 (nm)	2.10 nm
Layers	< 3	2.00
Purity	98-100 (%)	98.80 %
Scale	> 50 (µm)	55.00000 µm
Specific Surface Area	100-200 (m <sup>2</sup> /g)	110.00 m <sup>2</sup> /g
Electrical conductivity	1000-1500 (S/m)	1200.00000 S/m
Tap density	5-10 (mg/ml)	8.00000 mg/ml
Appearance(G302114)	Black powder	black powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager