

## Certificate of Analysis

Date of Testing: 2022-02-26 10:28:18  
Date of Next Testing: 2027-02-25 10:28:18  
Product Name: **Nitrogen-doped Graphene**  
CAS Number: 7782-42-5  
Specifications & Purity: >98%  
Lot #: B2223707  
SKU #: **G139802**  
Analysis: **071549**

Parameter	Limit Values	Result
Thickness	1-3 (nm)	2.33 nm
Tap density	5-10 (g/L)	5.23 g/L
Nitrogen by Elemental Analysis	5-10 (wt%)	7.45 wt%
Specific Surface Area	100-300 (m <sup>2</sup> /g)	154.30 m <sup>2</sup> /g
Particle size	2-10 (μm)	5.60 μm
Layers	< 3	1.00
Purity	98-100 (%)	98.85 %
Electric Conductivity	1000-1500 (S/m)	1200.00 S/m
Appearance (G139802)	black powder	black powder



John Su  
QA & QC Manager