

## Certificate of Analysis

Date of Testing: 2023-07-25 16:29:32  
Date of Next Testing: 2026-07-24 16:29:32  
Product Name: **Reduced graphene oxide**  
CAS Number: R487602  
Specifications & Purity: Chemical reduction,single layer,sheet diameter 1-5 $\mu$ m  
Lot #: G23181094  
SKU #: **R487602**  
**Analysis: 244554**

Parameter	Limit Values	Result
Diameter	1-5 ( $\mu$ m)	1.20 $\mu$ m
Carbon by Elemental Analysis	$\geq 75$ (%)	76.00 %
Oxygen by Elemental Analysis	$\leq 22$ (%)	22.00 %
Electric Conductivity	$> 600$ (S/m)	601.00 S/m
Appearance(R487602)	Black Powder	black powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
surfacearea(T( 450 m <sup>2</sup> /g))	Pass	Pass



John Su  
QA & QC Manager