

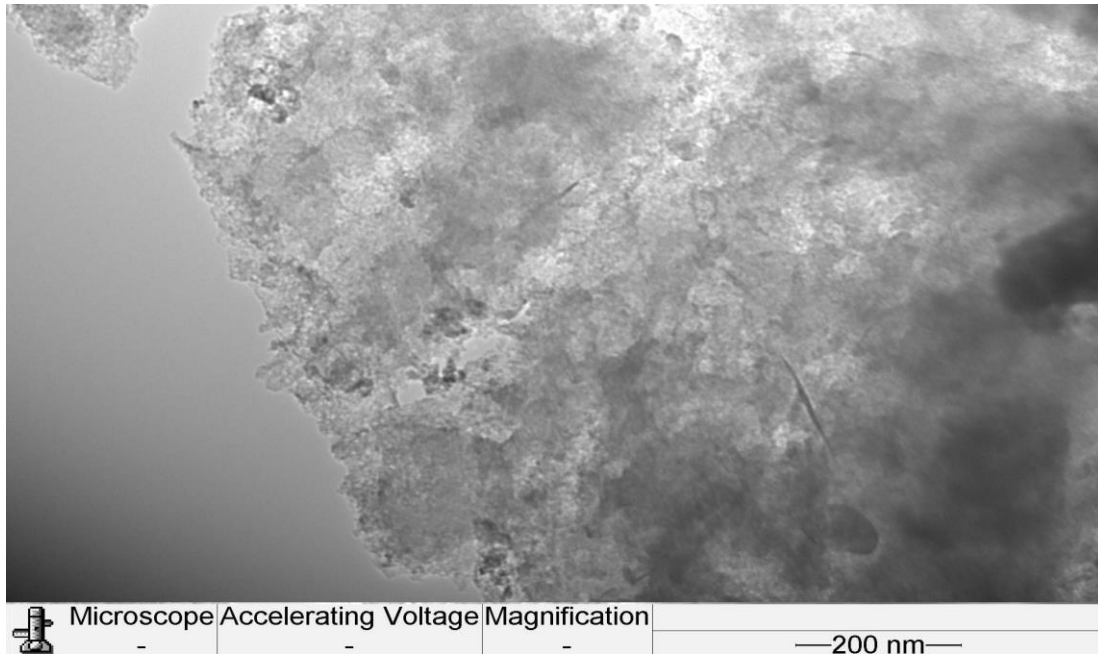
## Technical Specification Datasheet

**Product Name:** Graphene Oxide  
**Product Series:** Graphox  
**Form:** Powder form  
**Colour:** Black  
**Packing Size:** 10gram, 100gm, 1kg and more

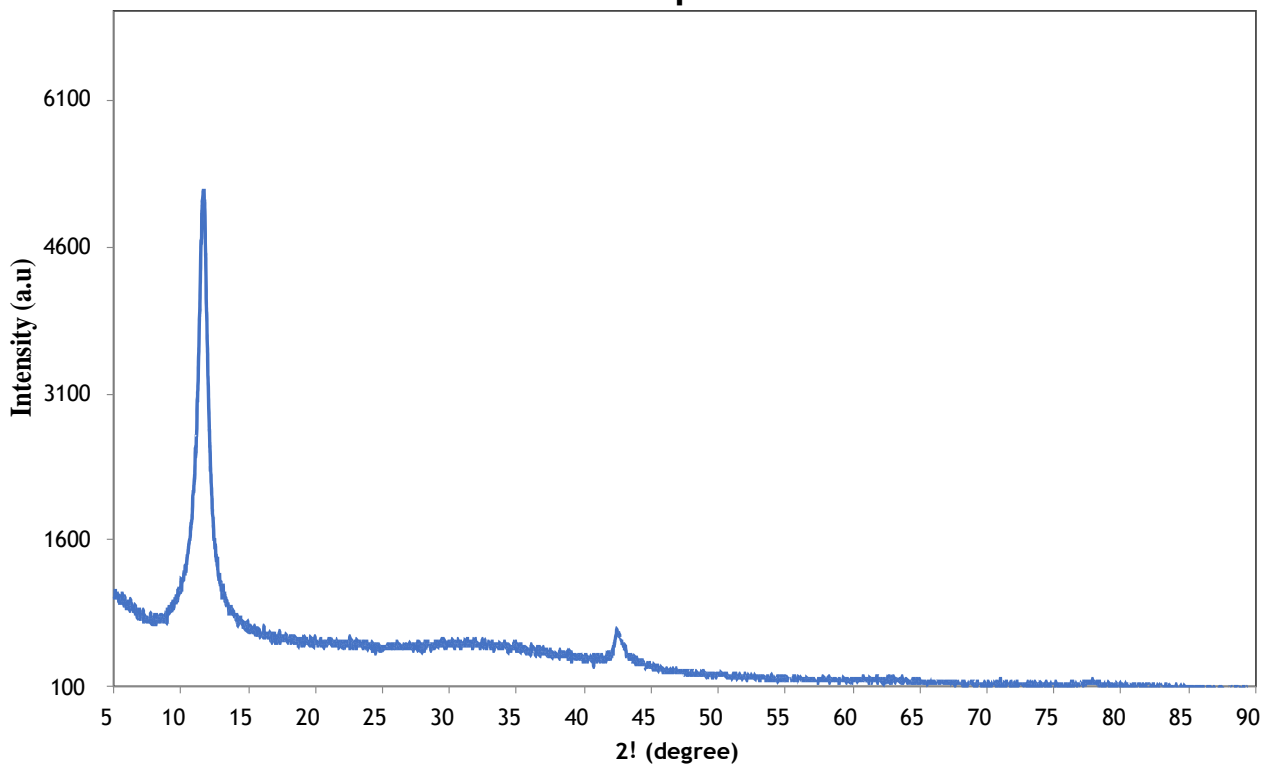
### Properties:

Parameters	Approximate Values
Purity	~99%
Thickness (Z)	~0.8 - 2 nm
Average Lateral Dimension (X&Y)	~5 - 10 $\mu$ m
Number Of Layers	1 - 3 layers
Carbon Content	~60 – 80%
Oxygen Content	~15 - 32%
Hydrogen Content	~1 - 2%
Nitrogen Content	~1 - 2%
Sulfur Content	< 1%
Surface Area (BET)	110 – 250 m <sup>2</sup> /g
Bulk Density	0.5 g/cm <sup>3</sup>
Chemical Formula	C
CAS No.	7782 – 42 – 5
Physical Form	Fluffy, Very Light Powder
Odour	Odorless
Colour	Black Powder
Electrical Conductivity	Insulator (Tuneable to conductor)

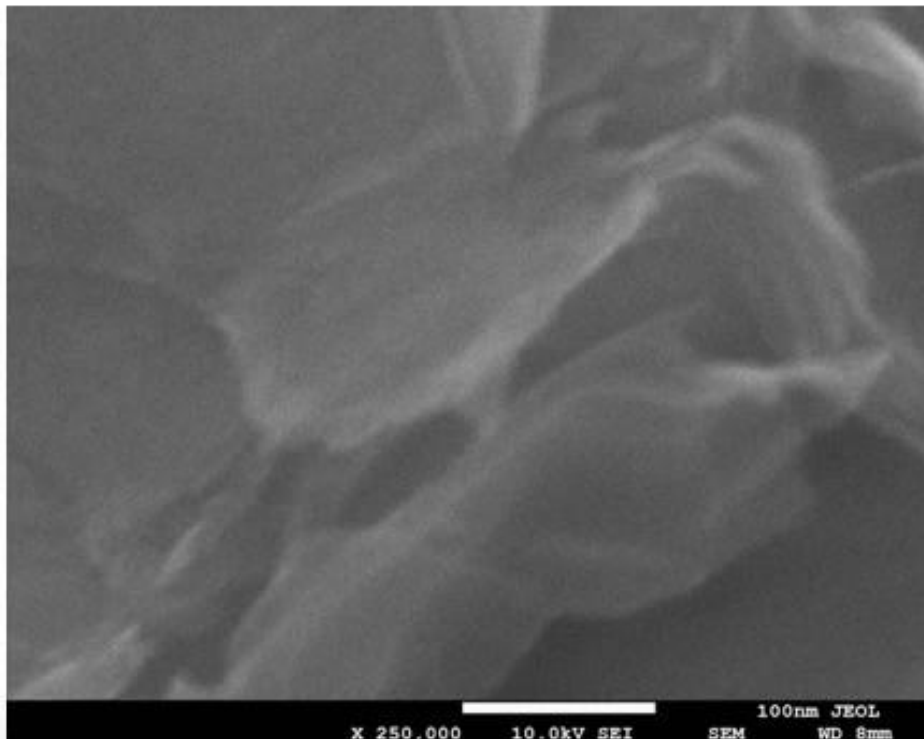
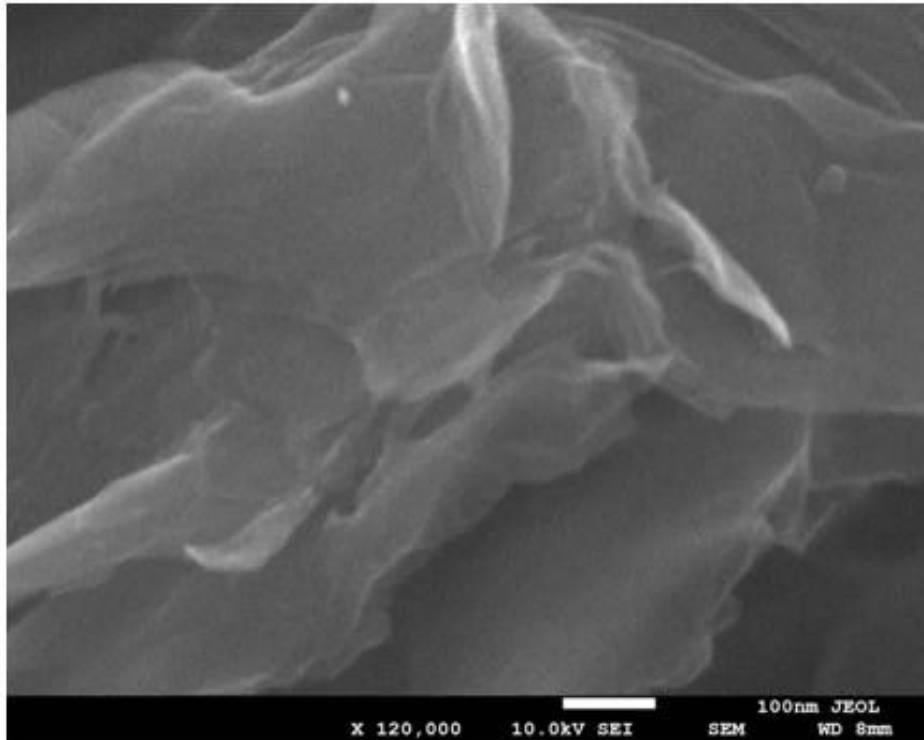
## TEM



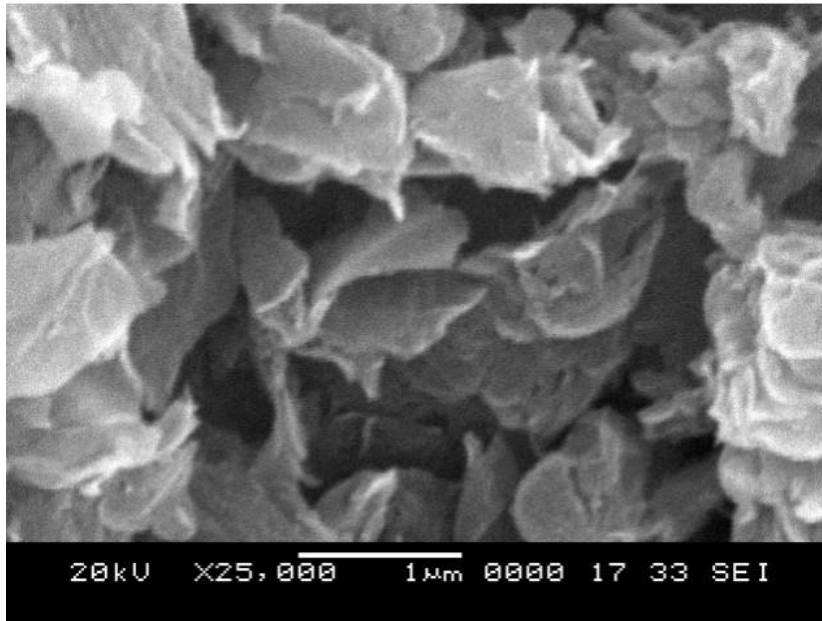
## XRD of AD Graphene Oxide



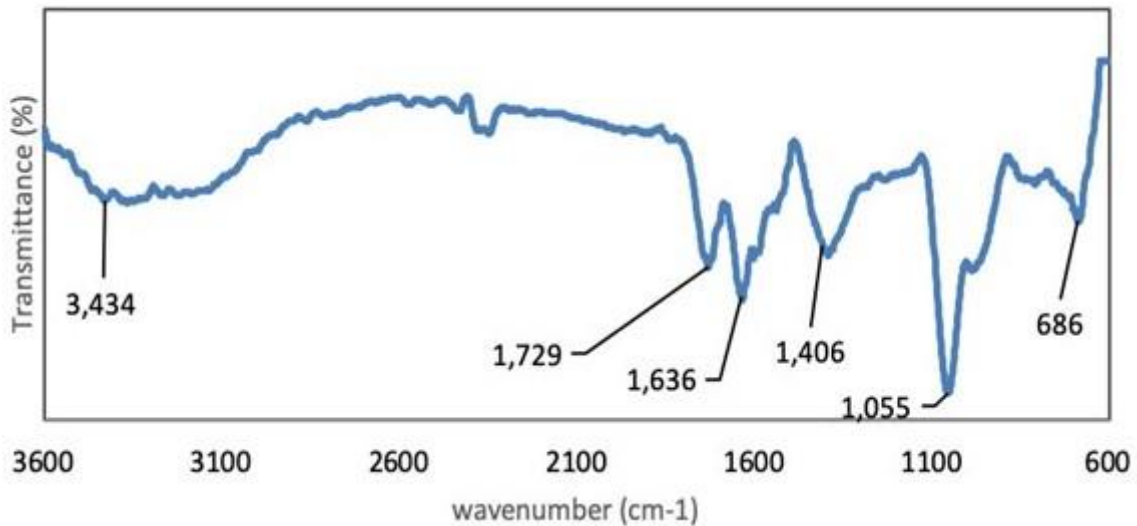
## FE-SEM



## SEM



## FTIR



Techinstro assures the above specification and dimensions of the product as per datasheet. We ensure the quality of the product with moisture proof packing. This sheet is also available on the website, where a researcher or purchaser can also download it merely by clicking on the pdf link. The terms and condition for the product purchase mentioned in the quotation. For safe product storage, tips and procedure provided with the material. For more queries, contact our technical support.