



Technical Data Sheet

ACS Material Highly Conductive Reduced Graphene Oxide (rGO)

Table of Contents

[1 – Preparation Method](#)

[2 – Characterizations](#)

[3 – Application Fields](#)

Contact Information:

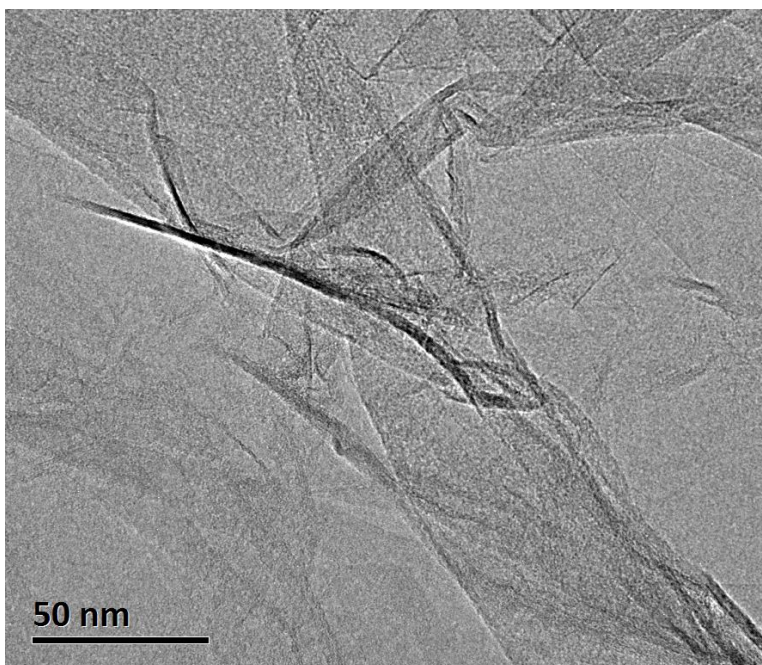
Manufacturer: ACS Material, LLC.
Address: 959 E Walnut St, Suite 100
Pasadena, CA 91106, USA
Phone: (866)-227-0656
Fax: (781)-518-0284
E-Mail: contact@acsmaterial.com
Revision: 120419

1. Preparation Method

Reduced Graphene Oxide + (2800°C) Graphitization

2. Characterizations

Product Name:	Highly Conductive Reduced Graphene Oxide (rGO)
Layer:	Monolayer
Appearance:	Black
C:	93.5wt.%
Ash:	<2.5wt.%
Diameter (D50):	~20 μm
BET:	390 m^2/g
Electrical Conductivity:	15630S/m



Typical TEM Analysis of ACS Material Highly Conductive Reduced Graphene Oxide

3. Application Fields

This product is a monolayer graphene with high electrical conductivity.

- 1) Lithium ion and nickel-hydrogen battery - as high conductive components in battery slurry
- 2) Supercapacitors - conductive reagents of the supercapacitor electrodes
- 3) Catalyst
- 4) Lead acid cell, Solar energy, Solar Cell
- 5) Graphene semiconductor chips and semiconductor industry
- 6) Conductive graphene film
- 7) Graphene computer memory
- 8) Biomaterials
- 9) Transparent conductive coatings

Disclaimer: ACS Material, LLC believes that the information in this Technical Data Sheet is accurate and represents the best and most current information available to us. ACS Material makes no representations or warranties either express or implied, regarding the suitability of the material for any purpose or the accuracy of the information contained within this document. Accordingly, ACS Material will not be responsible for damages resulting from use of or reliance upon this information.