Technical Data Sheet

ACS Material Graphene Dispersion in NMP (Dia:1-3μm)

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

Phone: (866)-227-0656

Fax: (781)-518-0284

E-Mail: contact@acsmaterial.com

Revision: 071724

1. Preparation Method

Physical exfoliate method

2. Characterizations

Composition	Content	Unit
Graphene Nanoplatelets	5	wt%
Flake Diameter	1-5	μm
Thickness	3-5	nm
Dispersant	0.5	wt%
NMP	94.5	wt%

2. Application Fields

This product is a graphene nanoplatelet-based oily battery slurry with high electrical conductivity. By contrast with the similar products, this product with technical advantages is metal ion free and can be widely applied in battery slurry as conductive agent to improve the high rate charge-discharge capacity.

- ●Lithium ion and nickel-hydrogen battery—as high conductive components in battery slurry.
- ●Supercapacitor —conductive reagents of the supercapacitor electrodes.
- ●Lead acid cell, solar cell and semiconductor industry.
- ●Other conductive industry.

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.