



Technical Data Sheet

ACS Material Natural Graphite Nanoparticles

Table of Contents

[1 – Physical and Chemical Properties](#)

[2 – Structure Features](#)

[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

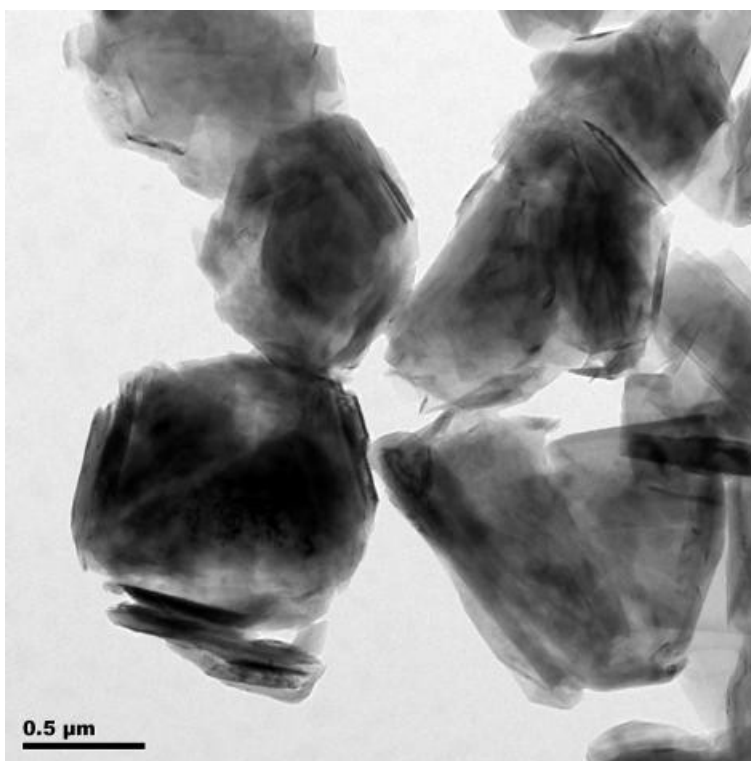
E-Mail: contact@acsmaterial.com

Revision: 070217

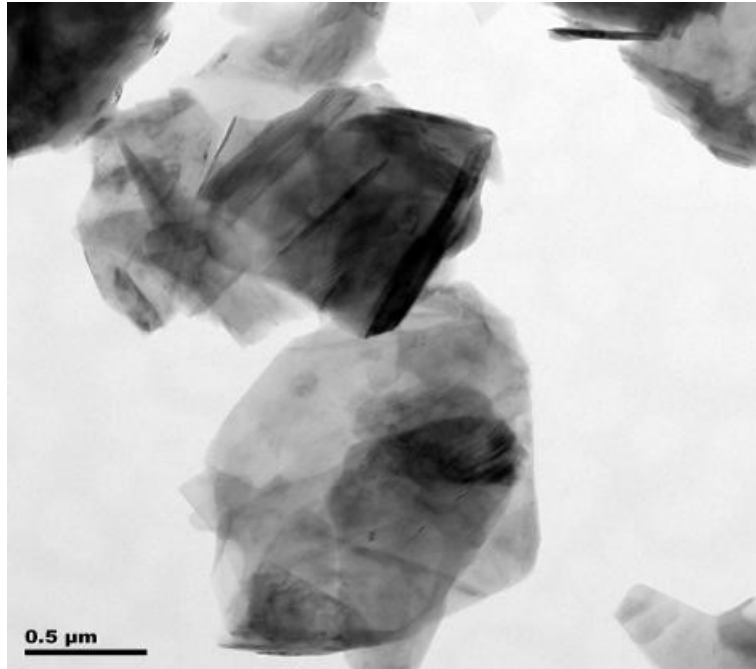
1. Physical and Chemical Properties

Color:	Black
Morphology:	Flaky
Ash content (%):	< 0.5
Water content (%):	0.2
Particle Size:	D ₁₀₀ : <1000 nm D ₅₀ : <400 nm
Thickness (nm):	40
Purity (%):	> 99

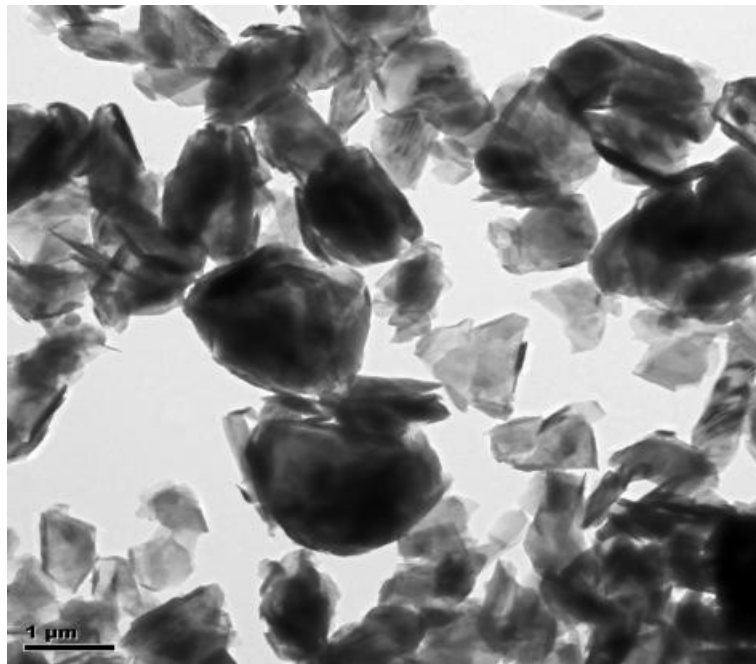
2. Structure Features



Typical TEM Image of ACS Material Natural Graphite Nanoparticles (1)



Typical TEM Image of ACS Material Natural Graphite Nanoparticles (2)



Typical TEM Image of ACS Material Natural Graphite Nanoparticles (3)

3. Application Fields

- 1) Refractory materials
- 2) Conductive materials
- 3) Lubricant and wear-resistant materials
- 4) Corrosion-resistant materials
- 5) Insulation
- 6) Radiation protection materials

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.