

GRAFEN[®]-NH

NH₂ Functionalized Graphene

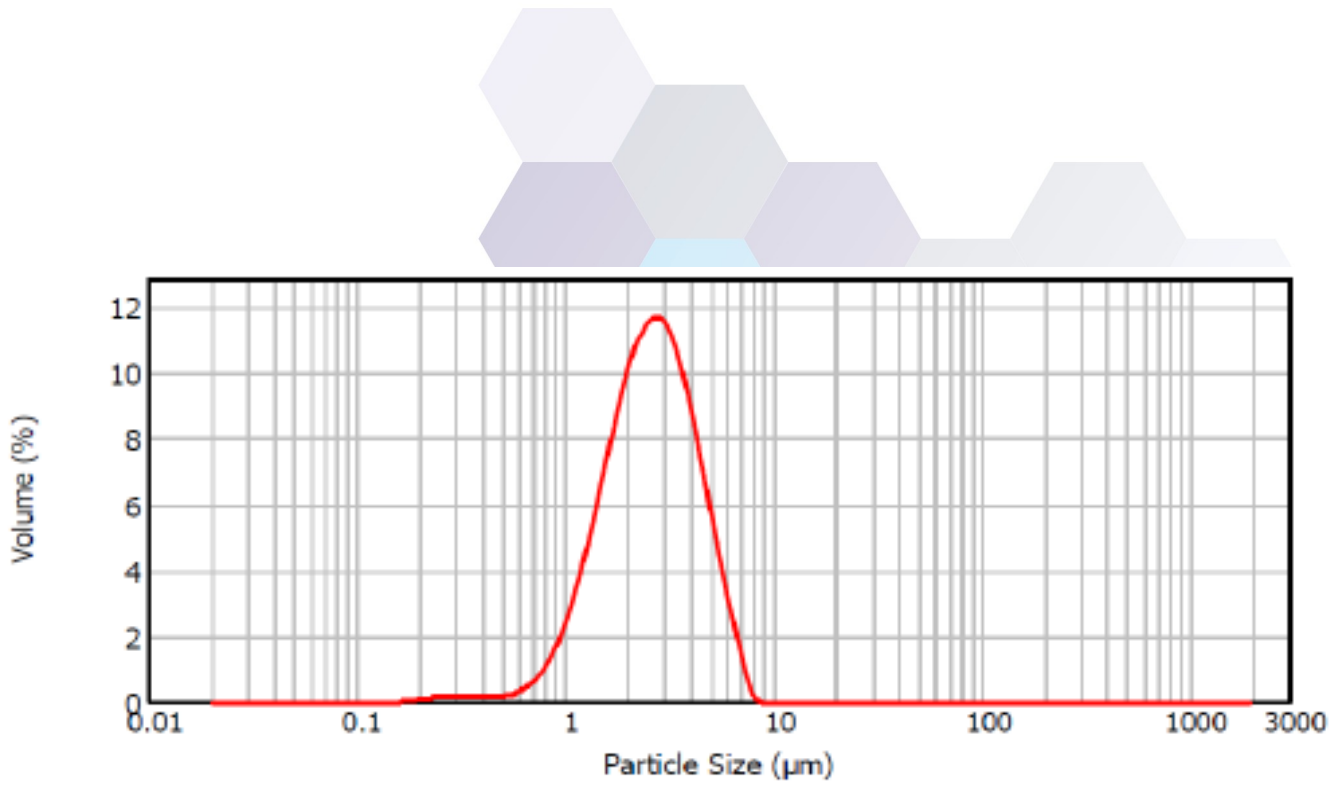
Characterization Data Sheet

Content:

- Pg. 1** - Technical Specifications
- Pg. 2** - Particle Sizing Dynamic Light Scattering
- Pg. 3** - Zeta Potential Distribution
- Pg. 4** - X-Ray Photoelectron Spectroscopy (XPS)

®Grafen is the registered trademark of Grafen Chemical Industries Co.

Batch	Value	Unit	Method
C - Purity	~ 96.28	%	XPS
Color	Black/Grey		Visual
Free Amorphous Carbon	Not detectable		SEM/TEM
Bulk Density	~ 215	kg/m ³	EN ISO 60
Specific Surface Area	~ 25	m ² /gr	BET Analysis
Typical GNP Planar Size	~ 0.3 - 5	µm	TEM
Typical GNP Thickness	< 50	nm	SEM/TEM
GNP True Density	2.2	g/m ²	Theoretical
Zeta Potential	~ -45.2	mV	LD



d0.1 = 1.271 µm

d0.5 = 2.581 µm

d0.9 = 4.788 µm



