

Technical Data Sheet

Ira-KS Nano Graphene

Contact Information:

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1. Preparation Method

A proprietary ultra-high temperature processes enable the efficient production of graphene, delivering unique structural features and exceptional performance.

2. Characterization

Item	Value	Method-Standard
Appearance	Black Powder	Visual
Powder Size	1-10 μm	Particle size analyzer
Specific surface area	30-40 m^2/g	BET N_2 adsorption method- ISO/TS 21356-1
Average layers	1-6	TEM-Raman/ISO/TS 21356-1
Carbon content	>98.5%	Elemental Analysis-ISO/609
ID/IG ratio of Raman	<0.3	Raman spectrometer-ISO/TS 21356-1
I2D/IG ratio of Raman	>0.7	Raman Spectrometer-ISO/TS 21356-1

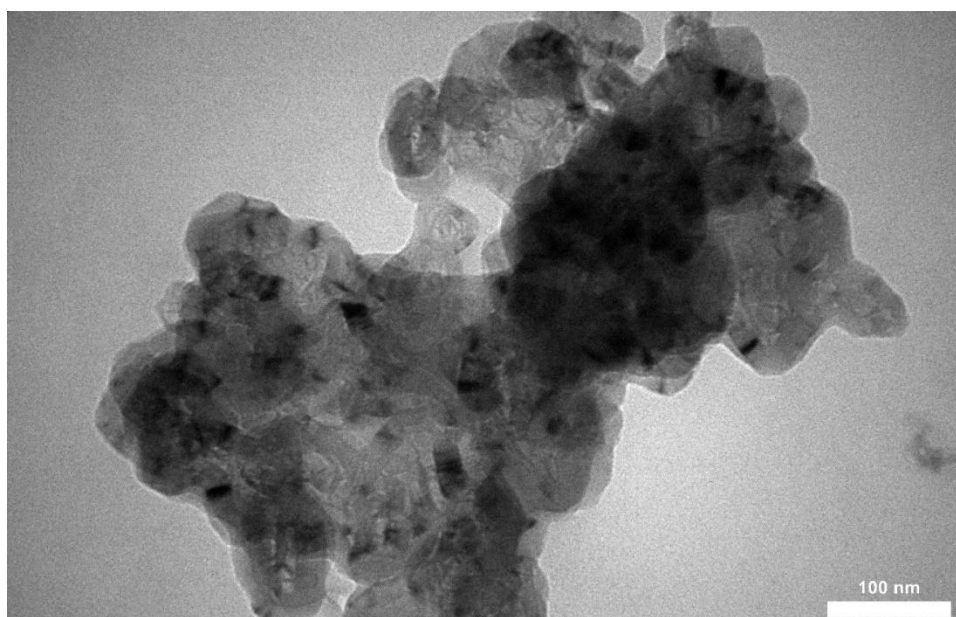


Figure 1 - TEM Image of Ira-KS Nano Graphene at 100nm level

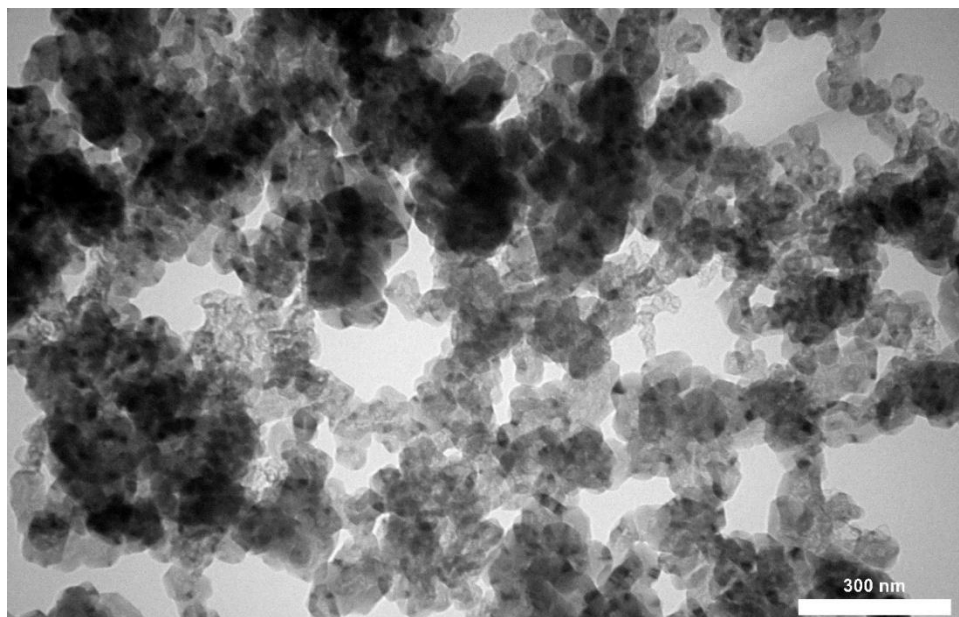


Figure 2- TEM image of Ira-KS Nano Graphene at 300nm level

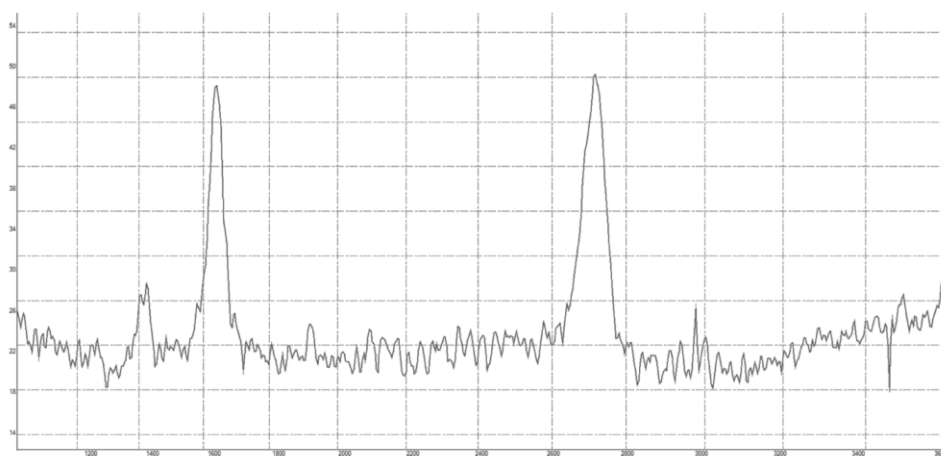


Figure 3- Raman spectra of Ira-KS