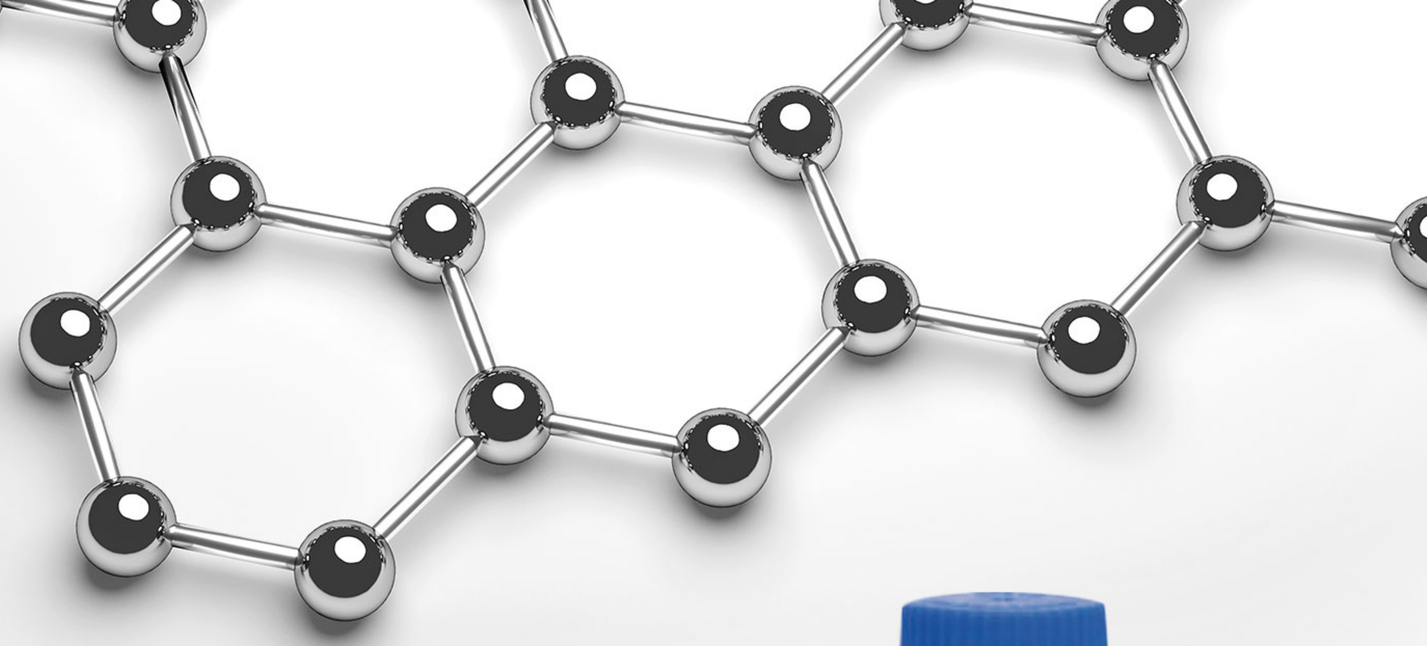
Ceylon Graphene Technologies



REDUCED GRAPHENE OXIDE

Reduced Graphene Oxide (rGO) is produced by reducing Graphene Oxide (GO) using chemical, thermal or electrochemical methods. rGO is one of the most obvious solution to be used for industrial applications such as energy storage.

APPLICATION AREA

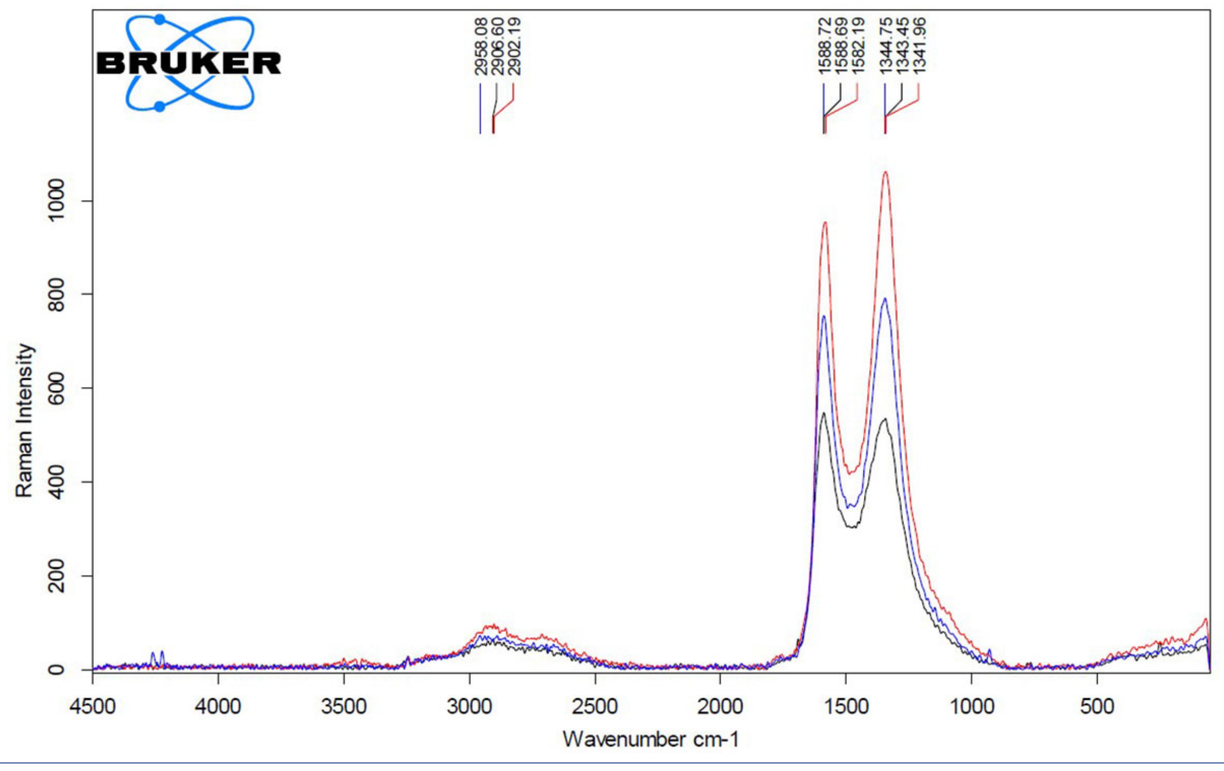
- RESEARCH & DEVELOPMENT
- BATTERY ADDITIVE
- ENERGY STORAGE
- PLASTIC & POLYMER COMPOSITES
- OIL & LUBRICATION
- ADVANCED APPLICATIONS

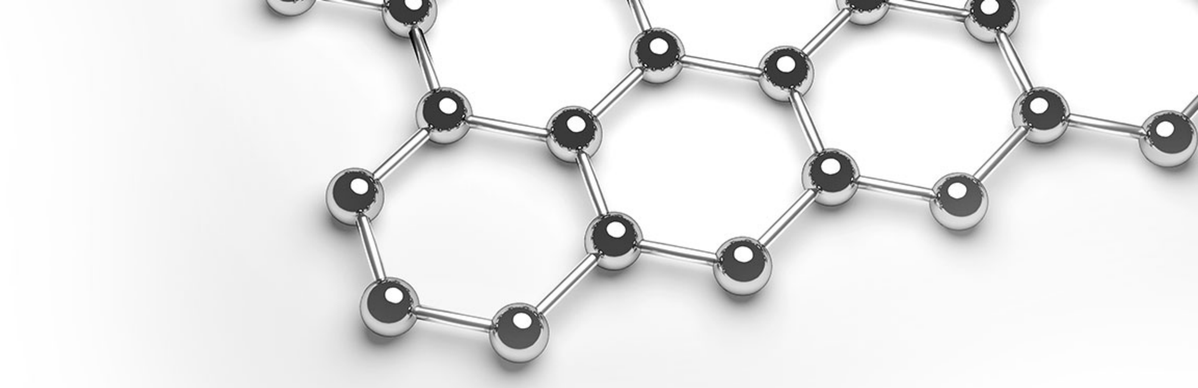
Start-Up Graphite	Sri Lankan C99+ Vein Graphite, Particle Size range 63-90 µm
Appearance	Soft Black Powder Platelets
Tapped Density	5.9 x 10-3 g/cm3
BET Surface Area	~500 ±50 (m2/g)

C/O ratio: 1.9 - 2.5 — **X-ray Photoelectron Spectroscopy (XPS)**

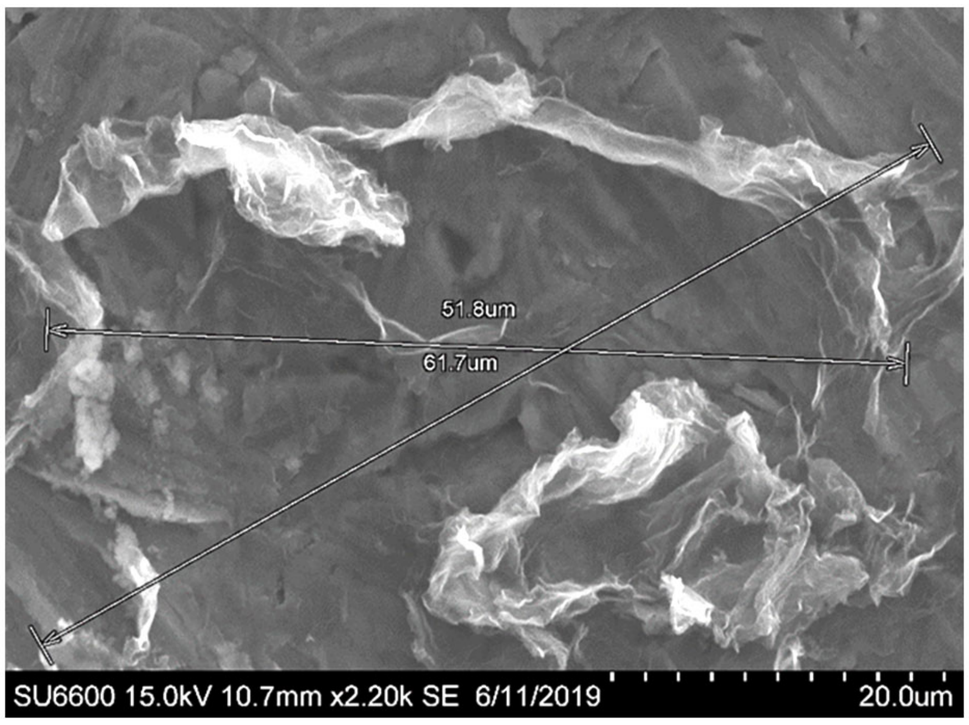
Name	O1s	C1s	S2p	Si2p
Avg %	94.0 - 95.0	4.5 - 5.0	0 - 0.4	0 - 0.88

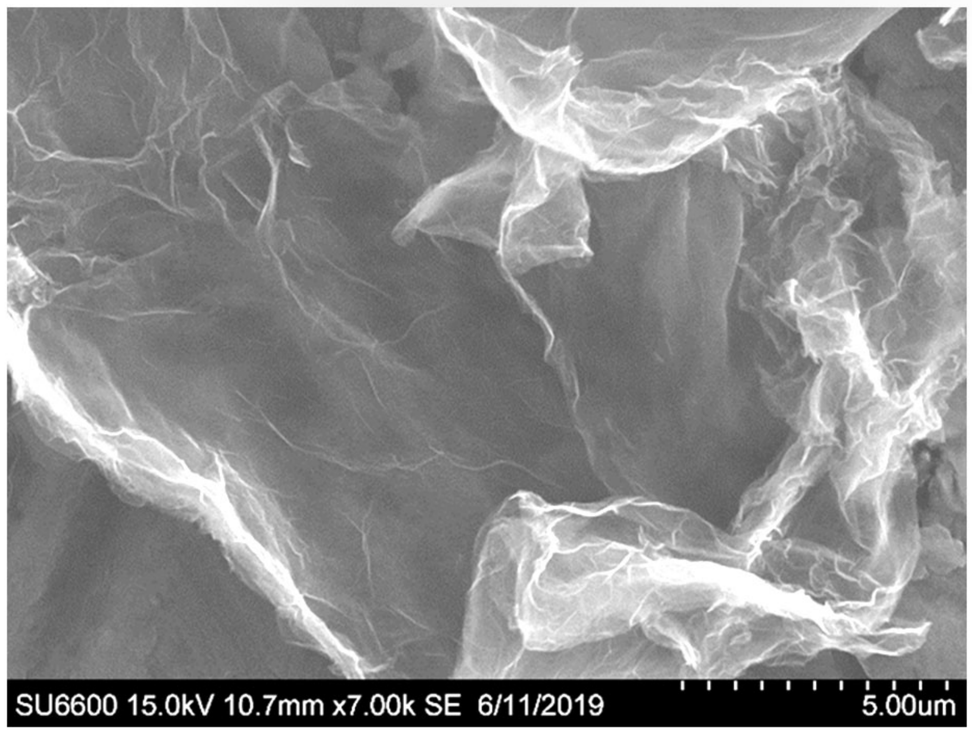
RAMAN ANALYSIS





TRANSMISSION ELECTRON MICROSCOPE (TEM)





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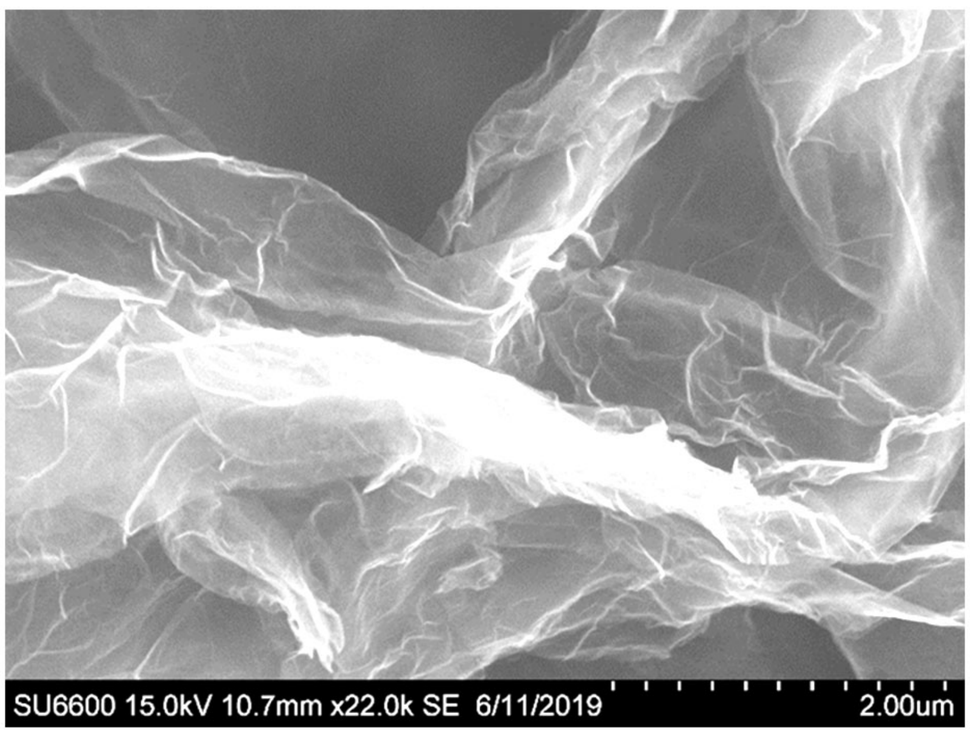
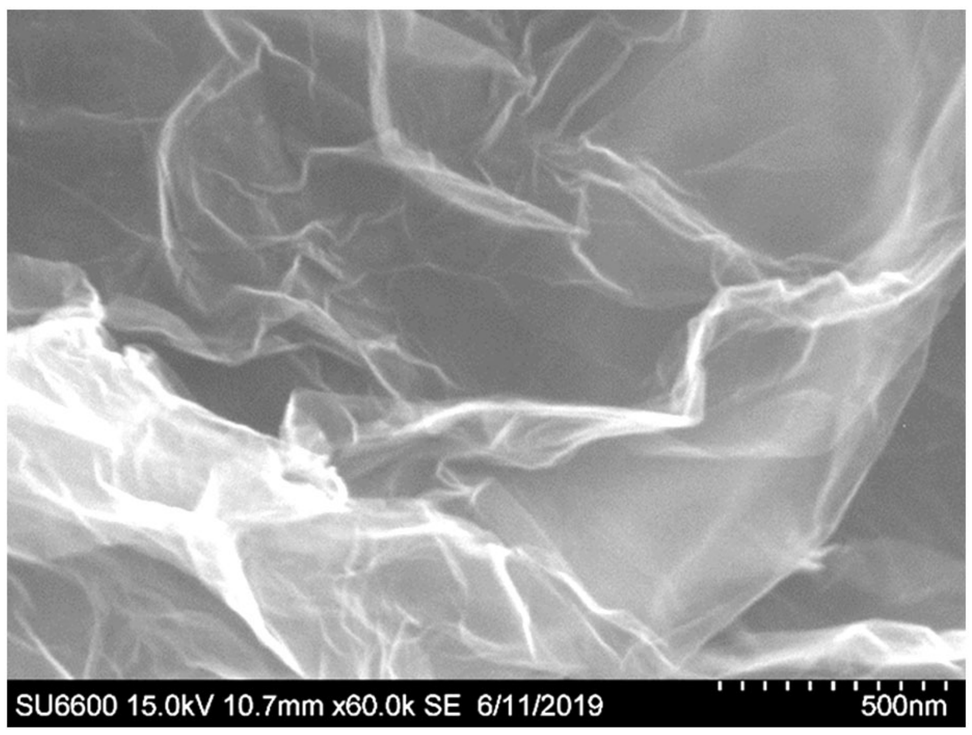
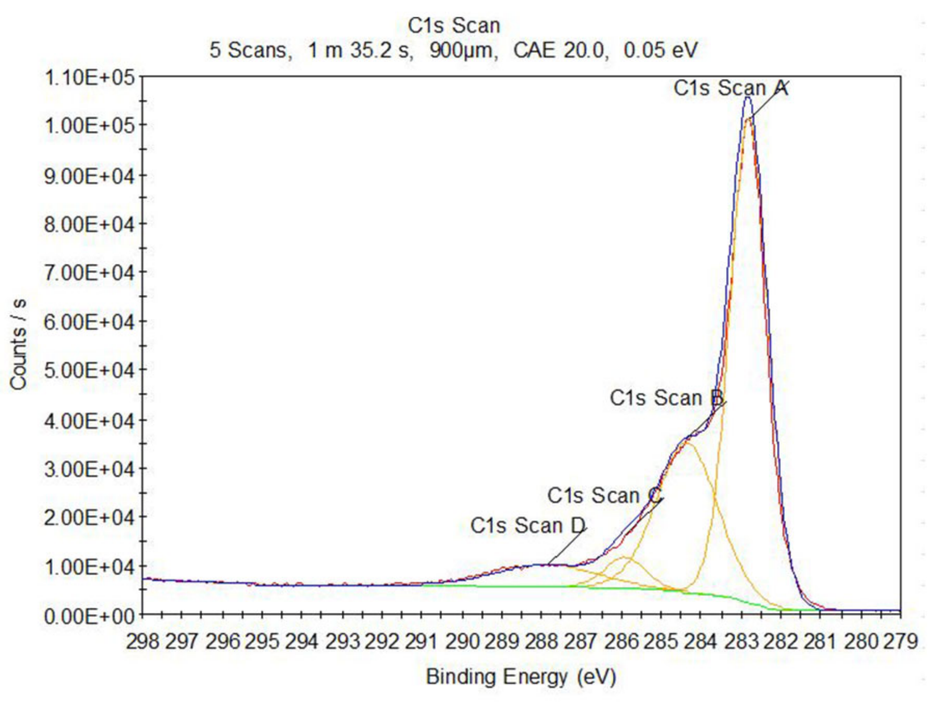
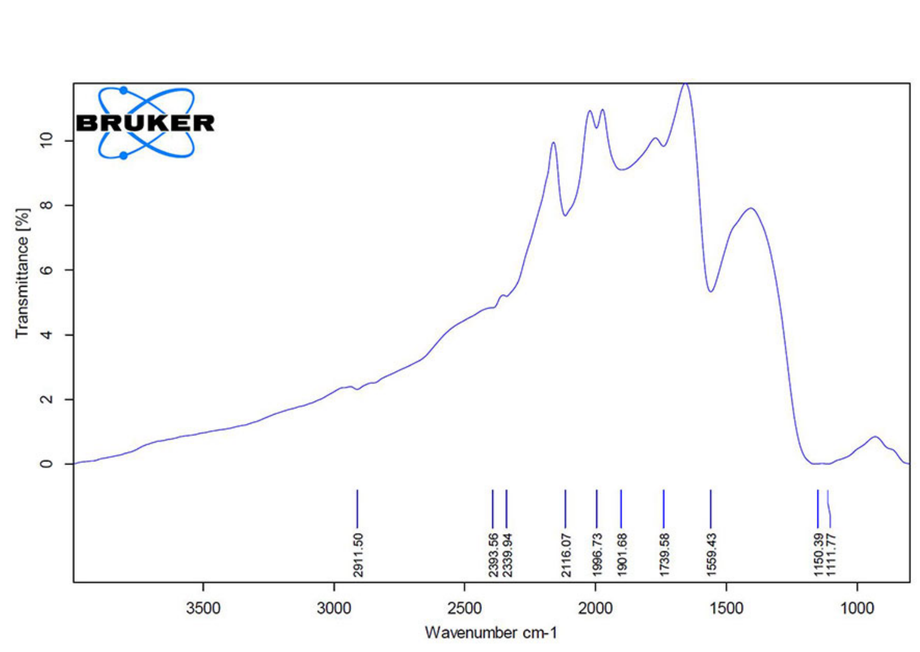




XPS NARROW SCAN C1S



FTIR ANALYSIS



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