

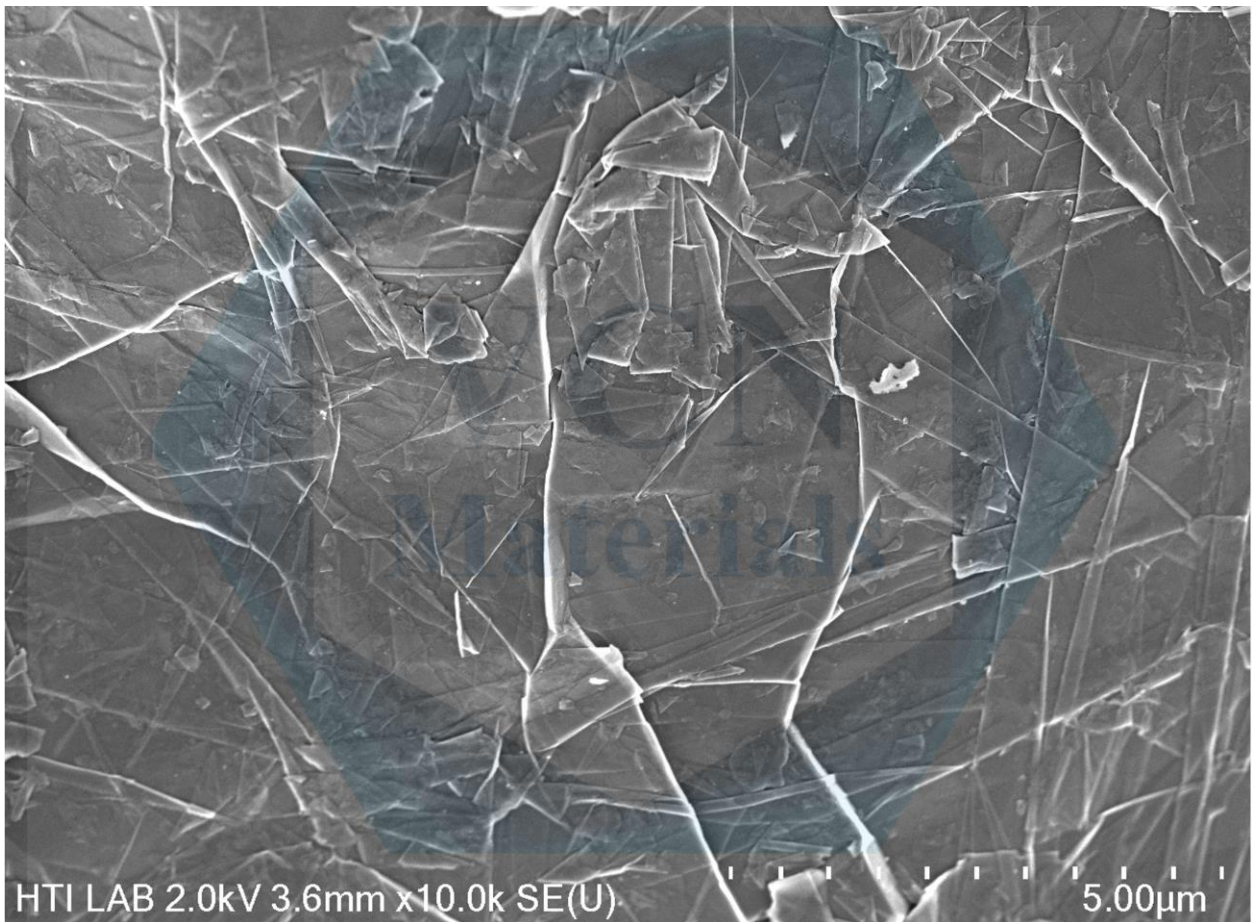


Certificate of Analysis

Graphene Nanoplatelets-COOH (GNP-COOH)

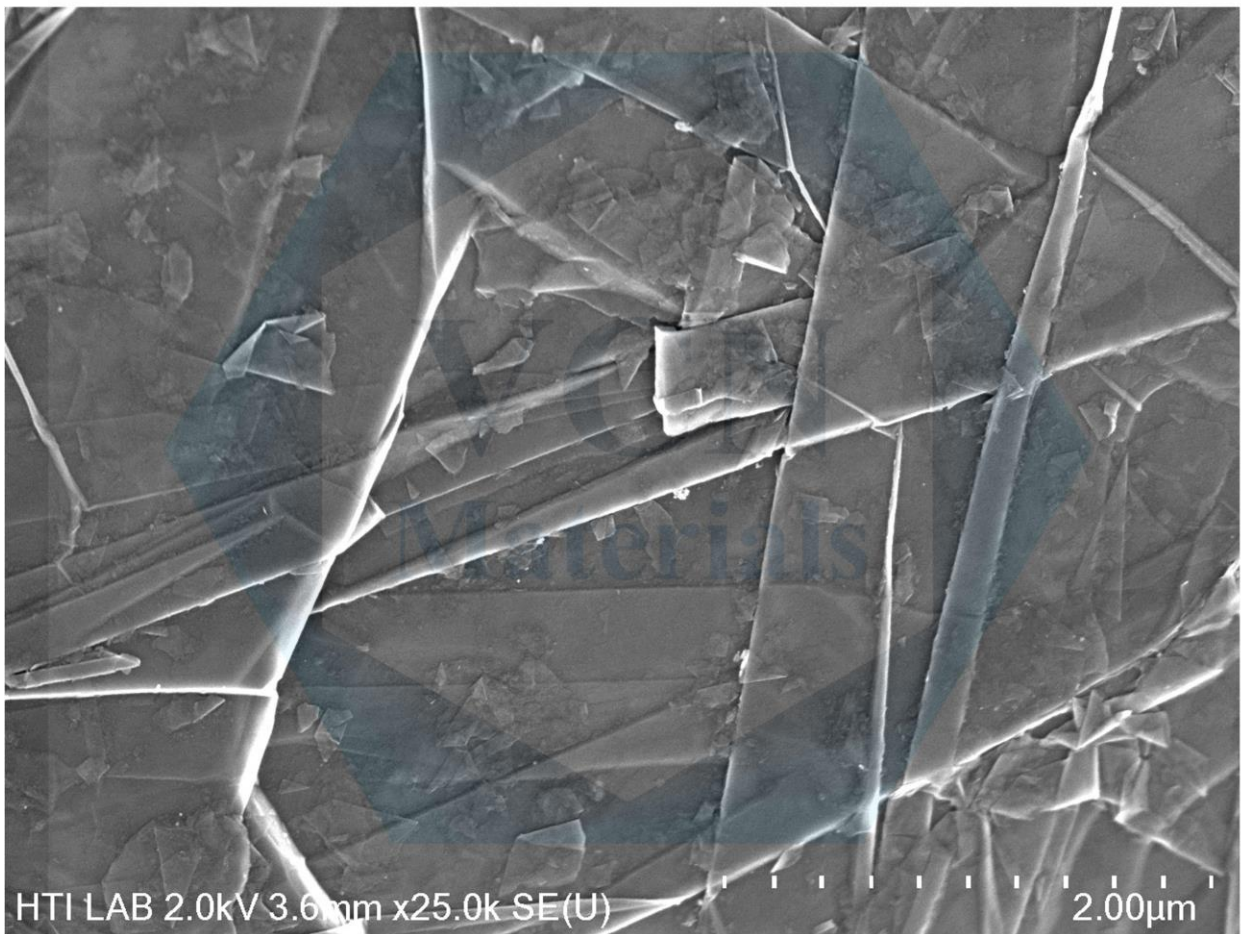
Purity of GNP: 95%
Diameter: 5-20 μm
Thickness: 32 nm
SSA: 150 m^2/g
Density: 1.9-2.2 g/cm^3

i. Morphological analysis





Certificate of Analysis

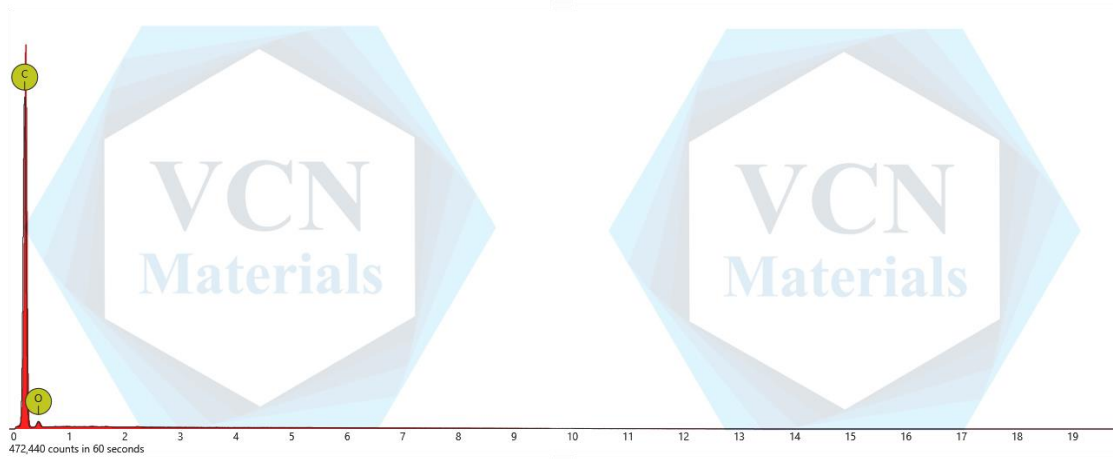


High resolution transmission electron microscopy image of Graphene Nanoplatelets-COOH (GNP-COOH)



Certificate of Analysis

ii. Elemental Analysis



EDX image of Graphene Nanoplatelets-COOH (GNP-COOH)

Element Number	Element Symbol	Element Name	Atomic Conc.	Weight Conc.
6	C	Carbon	93.87	92
8	O	Oxygen	6.13	8

Weight percentage



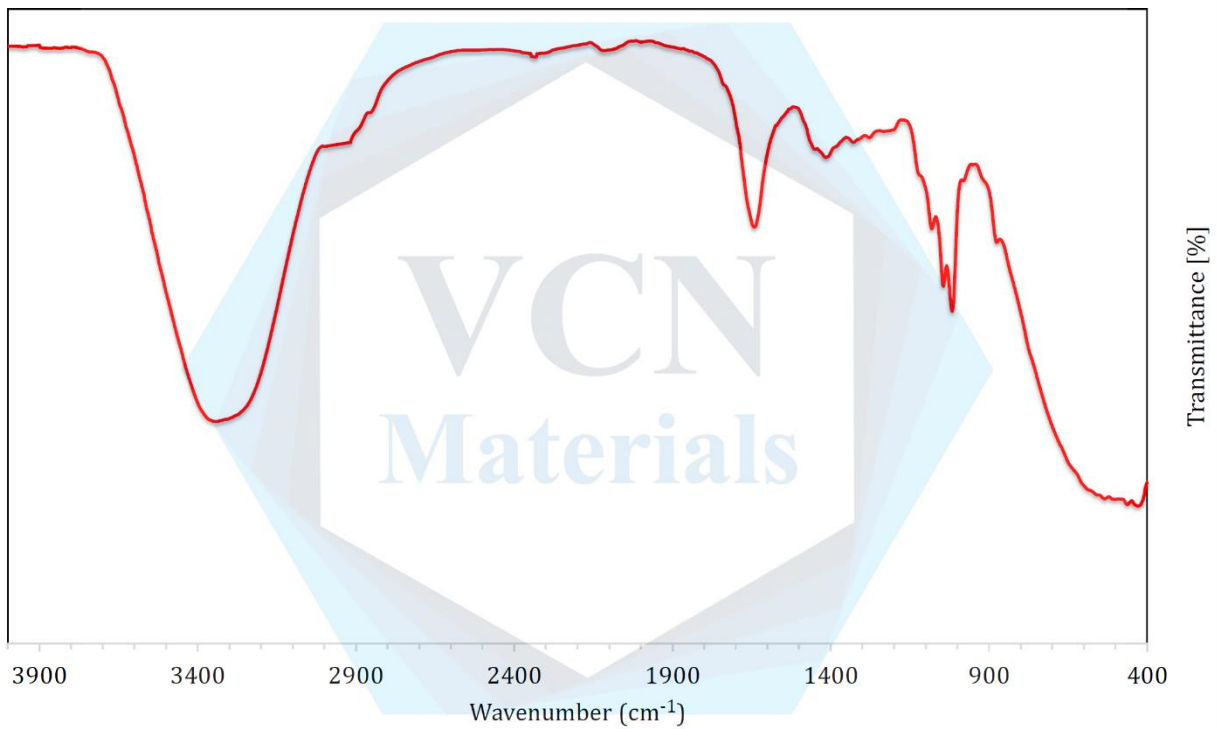
Atomic percentage





Certificate of Analysis

iii. Functional Analysis

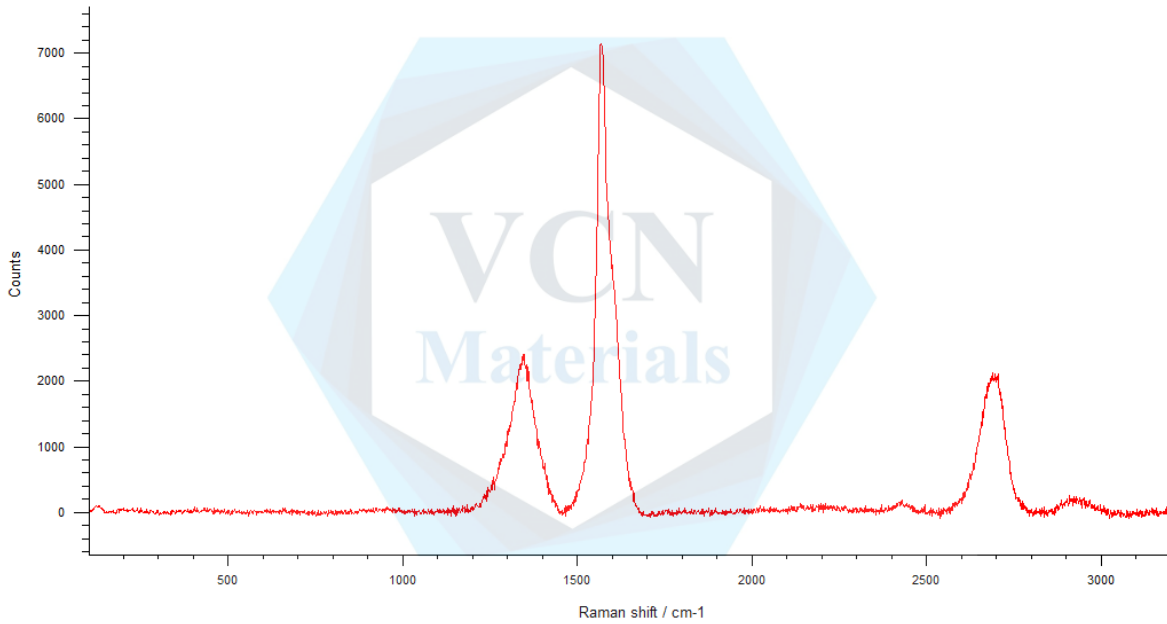


FTIR spectra of Graphene Nanoplatelets-COOH (GNP-COOH)



Certificate of Analysis

iv. Structural Analysis



Raman spectra of Graphene Nanoplatelets-COOH (GNP-COOH)