

PRODUCT : GO-V50

General Characteristics : Chemically Synthesized Graphene Oxide

PARAMETER

SPECIFICATIONS

VISUAL:

Fluffy, Light Powder

COLOR:

Yellow or Dark Brown

SPECIFIC SURFACE AREA:

–

Electrical Conductivity:

Insulator

CARBON BY WT%:

45.0% – 50.0%

OXYGEN BY WT%:

45.0% – 50.0%

SULFUR BY WT%:

< 0.5%

ASH BY WT%:

≤ 0.5%

PHYSICAL SIZES:

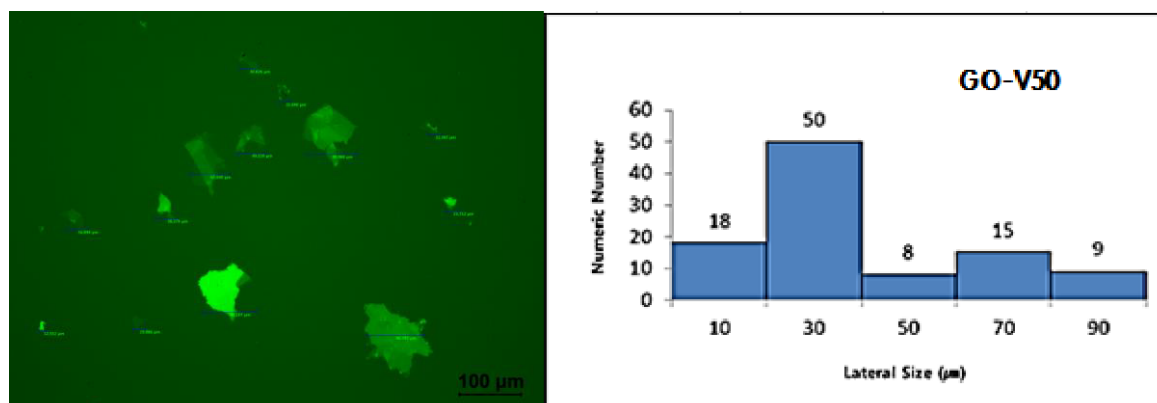
AVERAGE LATERAL DIMENSION (x & y)

~ 30 μm

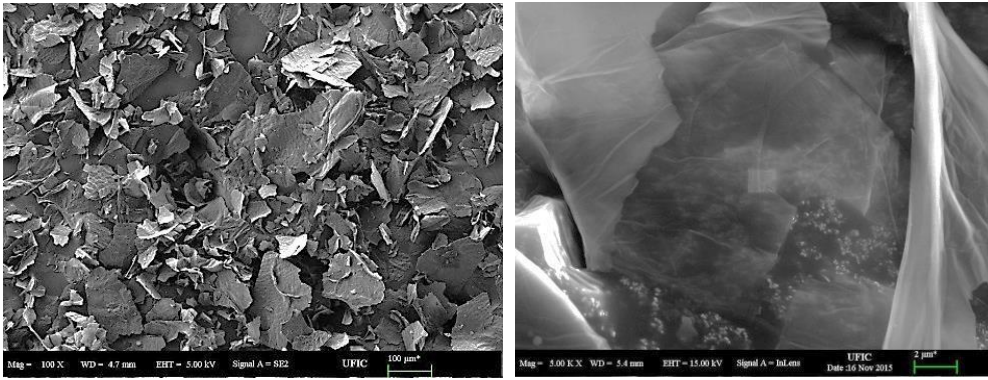
AVERAGE THROUGH-PLANE DIMENSION (z)

~ 1.0 – 1.2 nm (as analyzed by AFM)

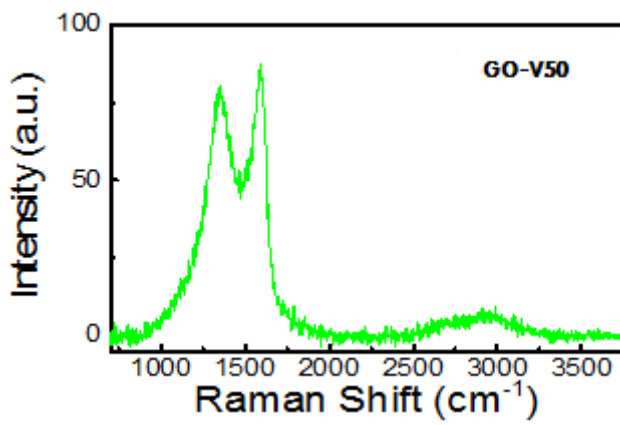
Optical Images to analysis lateral size



SEM Images

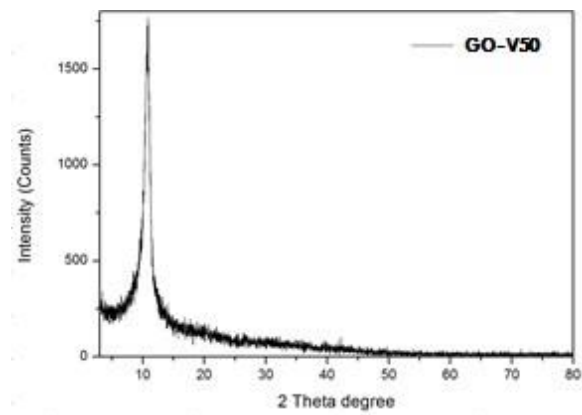


Raman Results

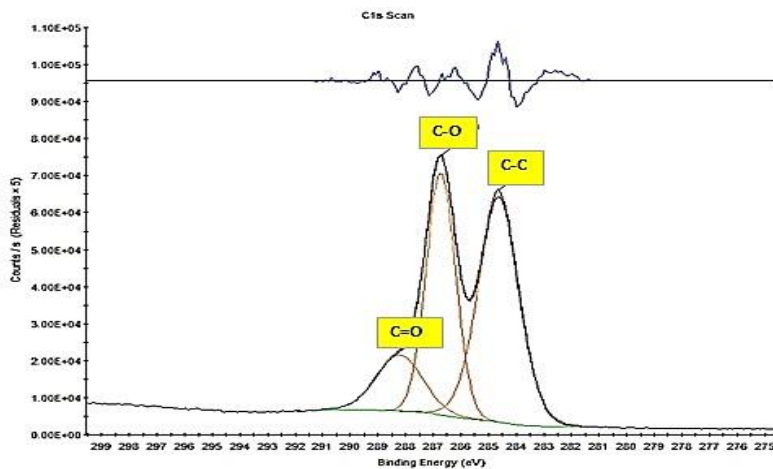


D/G Intensity Ratio: 0.93

XRD Data



XPS Data



Performed by an accredited Outside Test Facility

Data Written: 05/01/2015

Revision Date: 23/08/2017