

## Specification Sheet

### Graphene Nanoplatelets

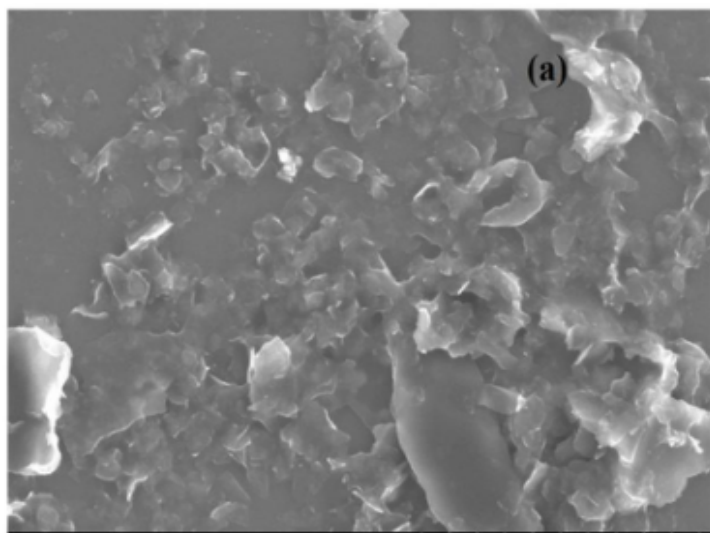
(C, Purity: 99.5%, Thickness: 2-4nm)

Stock No: NS6130-12-000298, CAS: 1034343-98-0

<b>Product</b>	:	<b>Graphene Nanoplatelets</b>
Stock No	:	NS6130-12-000298
CAS	:	1034343-98-0
Purity	:	99.5% (Metal base)
Lateral size	:	~5 $\mu$ m ( $\pm$ 3%)
Thickness	:	2-4nm
Color	:	Black
Density	:	~ 2.3 g/cm <sup>3</sup>
Bulk Density	:	~ 0.10 g/ml
Morphology	:	Flaky
SSA	:	20-40 m <sup>2</sup> /g
pH	:	6-7
Ash	:	< 0.5%
Layer	:	4-6layers (50-80%)
Lattice Defects	:	Low to medium concentration
Impurities	:	< 0.1%, H <sub>2</sub> O~0.02% (quartz + mica)
Electrical Conductivity	:	80000 S/m
<b>Main Inspect Verifier</b>	:	<b>Manager QC</b>

**Note:** Product Specification are subject to amendment and may change over time

## Characterization of Graphene Nanoplatelets



SEM - Graphene Nanoplatelets



**NANOSHEL**  
Creating Miracles in Black