

06-2530 Graphene Oxide (4mg/ml water dispersion) - low Mn.

[1034343-98-0]

C; brown liq.

100ml

500ml

Properties	
Form	Extra-large Graphene Oxide flakes
Production Method	Modified Hummer's method
Color	Brown
Odor	Odorless
Solvent	Water
pH	neutral
Typical Flake Diameter	5-30 μm
Thickness of a Single Layer	0.8-12 nm

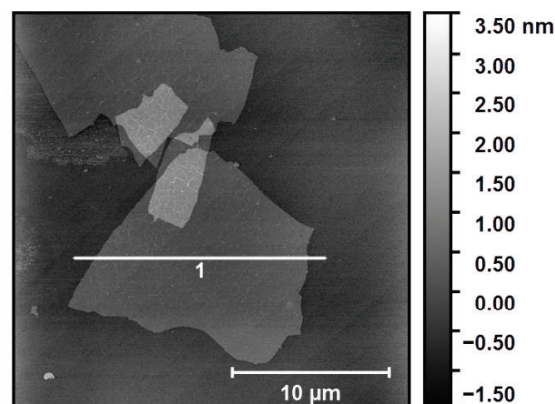
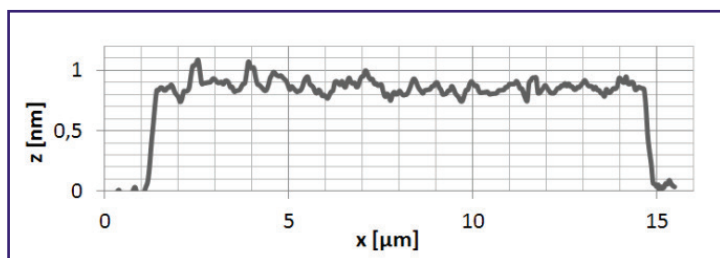


Figure 1: Topography

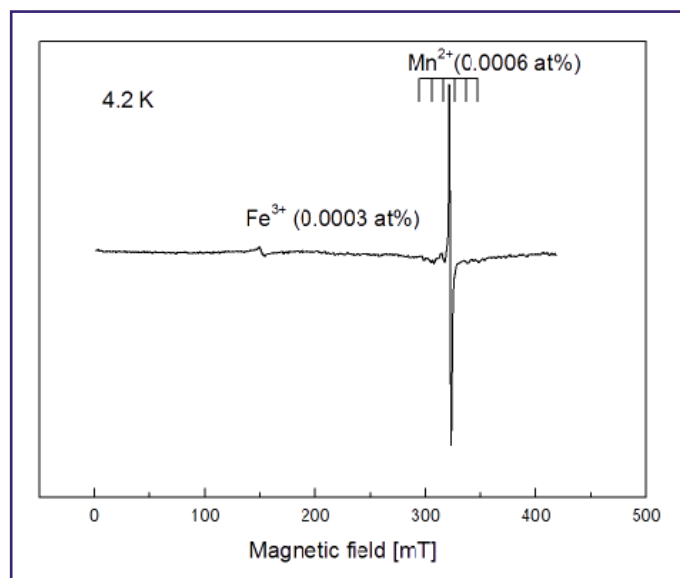


Typical Graphene Oxide Flake Diameter: 5-30 micron

Large, monolayer graphene oxide flakes are created through the specific synthesis method used for this product. The oxidation process ensures full oxidation and is a repeatable process. Oxidation of the graphene can be confirmed by elemental analysis in the quality control stage.

Manganese content: 0.0006%

One of the highlights of 06-2530 is the products' low manganese contamination. A high purity of graphene oxide dispersion is attained through a careful washing process. Electron paramagnetic resonance (EPR) is used to confirm the high purity of the material and low Mn content. Manganese contamination is a common issue within typical graphene oxide due to the production process. Since this product has low levels of Mn and high product purity, it does not show toxicity in living cells and allows for additional product applications.



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Strem Chemicals, Inc.
7 Mulliken Way
Newburyport, MA 01950
U.S.A
Tel: 978.499.1600
Fax: 978.465.3104
Email: info@strem.com

Strem Chemicals, Inc.
15, rue de l'Atome
Zone Industrielle
67800 BISCHEIM France
Tel: (33) 03 88 62 52 60
Fax: (33) 03 88 62 26 81
Email: info.europe@strem.com

Strem Chemicals, Inc.
Postfach 1215
77672 KEHL
Germany
Tel: 0 78 51/ 7 58 79
Email: info.europe@strem.com

Strem Chemicals UK Ltd.
An Independent Distributor of Strem Chemicals Products
Newton Hall, Town Street
Newton, Cambridge
England CB22 7ZE
Tel: +44 (0)1223 873 028
Fax: +44 (0)1223 870207
Email: enquiries@strem.co.uk