

## Technical data sheet: G-GOSiO

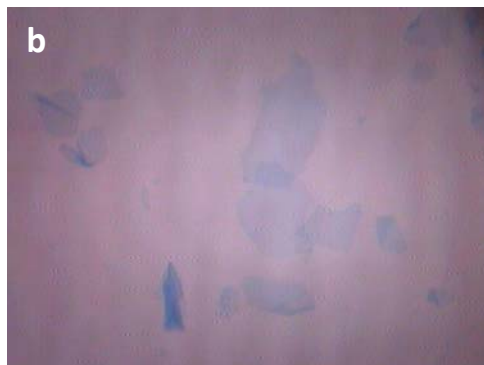
Large graphene oxide (GO) sheets supported on Si oxide.

### Description:

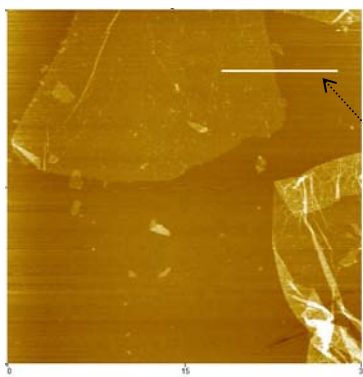
Graphene oxide (GO) sheets produced by chemical graphite exfoliation, supported on silicon oxide substrate, 300nm<sup>(1)</sup>. Thanks to the large dimension of single layer GO this product can meet the highest researchers requirements.

The easy way to identify GO platelets<sup>(2)</sup> makes G-GOSiO the perfect substrate for a quick and efficient utilization.

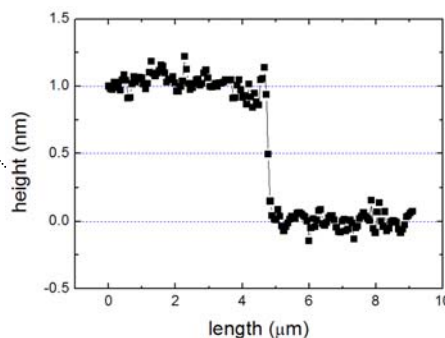
Sample reduction can be done either chemically or by thermal treatment.



Optical microscope images 561x467μm: a) GO on SiO 300nm, b) thermally reduced GO on SiO 300nm



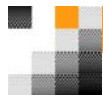
AFM immagine of GO on SiO.



Tickness profile of single layer GO.

Different substrates available to satisfy specific technical requirements.

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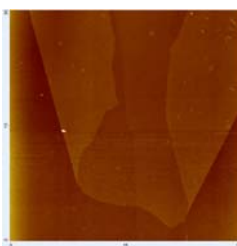
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### Main features:

C / O atomic ratio = 1,2

	Value	Method	Note
Platelets thickness:	1±0.3nm	AFM	
Platelets with average lateral dimension >70µm	>30	OM analysis on 12mm <sup>2</sup> surface	Equalize to square dimension
Platelets with average lateral dimension >100µm	~5	OM analysis on 12mm <sup>2</sup> surface	Equalize to square dimension
Folding layer	~15%		When folding area is the majority of the sheet.

Double layer sheets are rarely detected.



AFM immagine of folding layers GO on SiO.

This data sheet briefly describes and gives typical data for some of the basic properties of G-GOSiO. It is emphasized that all data in this publication have been obtained from laboratory tests on representative samples. Thus, although the values are typical, they are for very general guidance and must not be used as a basis for specifications.

Values on specific production lot are available upon request.

Sample should be stored dry and away from direct sources of heat. More detailed information and advice on individual products may be obtained from the Sales Contacts.

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**Is the responsibility of the customer to ensure that the use complies with all relevant regulation.**

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