TECHNICAL DATA SHEET

PRODUCT: Graphene-Composite Si Anode (GCA™)
Graphene CAS# 7782-42-5
Silicon CAS# 7440-21-3

GENERAL CHARACTERISTICS:
A fine dark grey powder.

DESCRIPTION:
Silicon nano-particles wrapped and channeled with graphene.

PRODUCT DETAILS:
Particle Size D_{50}: 3 - 15 µm (tunable)
Specific Surface Area: 10 - 25 m²/g (tunable)
Tap Density: 0.4 - 0.7 g/cm³
Specific Capacity*: 2000 - 2600 mAh/g
First Cycle Efficiency**: > 88%

FEATURES:
Spherical morphology, nano-silicon (non-CVD), high reversible capacity and high 1st cycle efficiency, efficient Li-ion storage, compatible with most binders, and easily blended with various forms of graphite.

* Performed by outside test facility
**Data above were collected at the rate of 0.05 C and within the voltage window of 0.01 V and 1.5 V (CC)

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Please contact Global Graphene Group for the most current technical information.

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