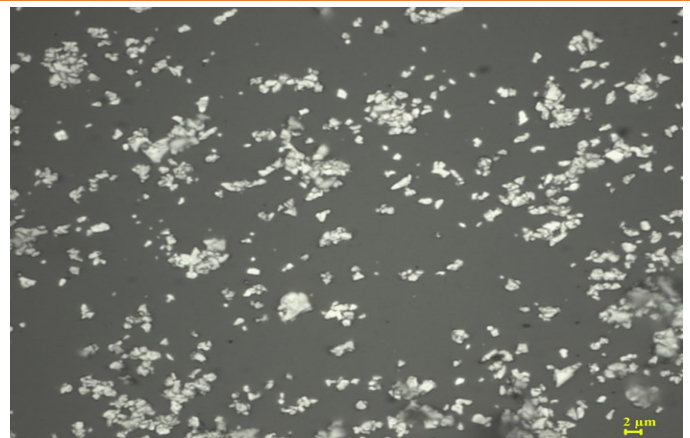


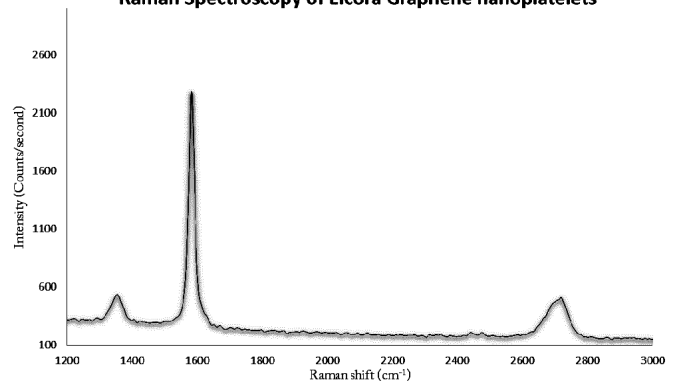
EL-NP Graphite Nano-Platelets

Elcora has developed a unique low-cost effective process to make commercially scalable graphite nanomaterials ranging from micro-graphite to graphene. These are made of short stacks of graphene sheets

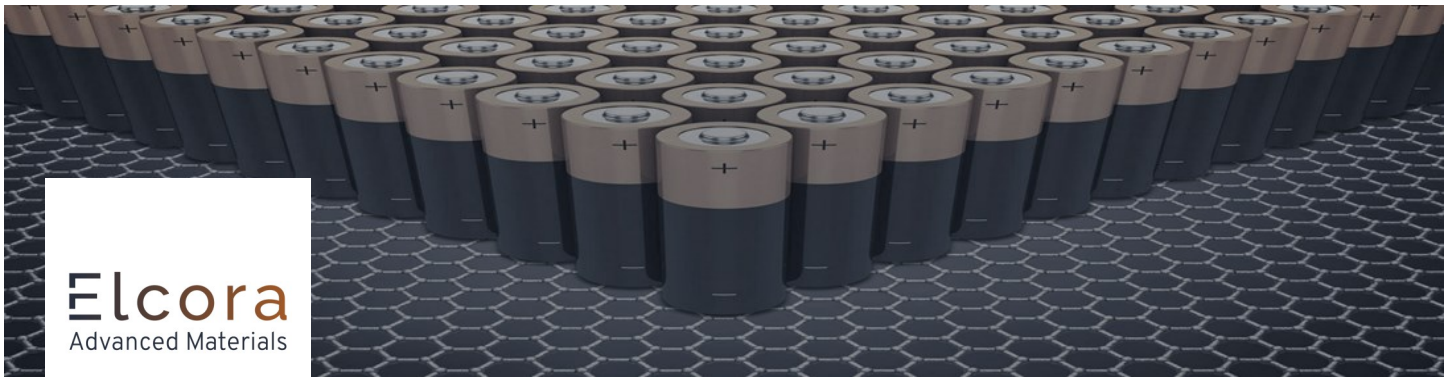


- Black flakes
- < 5 μm with more than 10 layers
- No acids
- No functionalization
- No oxides
- +99.99% carbon

Raman Spectroscopy of Elcora Graphene nanoplatelets



- Super-strong concrete
- Metal-matrix composites
- Electrically conductive inks
- Lightweight composites
- Substrate for chemical, biochemical sensors, and biofunctionalization
- Photothermal anticancer activity
- Drug delivery in nanomedicine
- Ultracapacitor electrodes
- Anode materials for lithium-ion batteries
- Conductive additives for electrodes
- Thermally conductive films and coatings
- Films or coatings for EMI shielding
- Barrier material for packing



OTCQB: ECORF | TSX-V: ERA | FRANKFURT:

Elcora Advanced Materials

Elcora is a vertically integrated company that mines, processes, refines, and adds value to graphite and related products. The company has developed equipment and processes to optimize and coordinate multiple product production to maximize economic use of the resources. The company has developed techniques to upgrade most types of graphite, both in terms of grade and crystal morphology, in order to reduce single or limited sources of supply risk. It has developed technology that will allow the production of spherical graphite for anodes, micro graphite for composites and other uses, graphite nano-platelets and graphene all from the same graphite stream within an integrated process.

Elcora's quality graphite sources coupled with proprietary technology, produces exceptional eco-friendly products.

- *EL-I-C6 Graphite and Anode Powders*
- EL-MG/5 Micro Graphite
- EL-NP Graphite Nano-Platelets
- EL-2D Graphene

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