

BATTERY GRADE NATURAL GRAPHITE ANODE MATERIALS

— MADE IN THE USA —



KELLYTON GRAPHITE PLANT
CONSTRUCTION PROGRESS - MAY 2023

- PUBLICLY TRADED COMPANY (NYSE AMERICAN: WWR)
- POSITIONED TO BE THE ONLY US-BASED VERTICALLY INTEGRATED NATURAL GRAPHITE SUPPLIER



MADE IN USA

- U.S. anode manufacturing for domestic content requirements
- Strategically located close to U.S. EV battery belt and rail transit



LOW COST, HIGH PERFORMANCE

- Abundant access to natural graphite allows for vertical integration from mining to battery grade anode material
- >99.95% graphite purity
- 99.99% demonstrated purity rate
- Patent pending purification process improves conversion yields and reduces waste



SUSTAINABLY PRODUCED

- Proprietary process technology offers advantages over Hydro-fluoric Acid (HF) based methods
- Potential for reduced CO₂ footprint advantages
- Strong governmental support

ULTRA CSPG™ CAPACITY PLAN

		2023	2024	2025	2026	2027	2028
Pilot Plant		Customer Qualifications					
Full-Scale Plant	PHASE 1	Construction, Commissioning	Ramp-Up	7,500 MT	7,500 MT	7,500 MT	
	PHASE 2	Feasibility	Design	Engineering	Construction, Commissioning	Ramp-Up	40,500 MT
Feedstock		Non-China Natural Graphite Source					
		Coosa Tests	Coosa Graphite Deposit Design & Permitting				Alabama, USA



**WESTWATER RESOURCES IS
CAPABLE OF PRODUCING
NATURAL GRAPHITE
ULTRACSPG™ WITH D50
RANGING FROM 10 TO 25 UM.**

Parameters	Units	ULTRA-CSPG™ Product Specs		
		10 µm	18 µm	23 µm
d10	µm	6 ±2	10±2	≥ 11
d50	µm	10±2	18±2	23±2
d90	µm	20±2	30±2	≤ 35
LOI	%	>99.95	>99.95	>99.95
Ash	%	<0.05	<0.05	<0.05
Tap Density	g/cm ³	>0.95	>1.0	>1.0
BET Surface Area	m ² /g	2.0-3.0	2.0-3.1	2-4
Reversible Capacity	mAh/g	>355	>360	>360
Irreversible Loss-ICL	%	<8	<8	<8

NATURAL GRAPHITE ANODE MATERIAL PRODUCTION PROCESS



— 1 —

Mining
(feedstock)



— 2 —

Flotation
(concentrate)



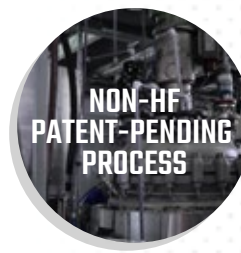
— 3 —

Micronization
(sizing)



— 4 —

Spheroidization
(shaping)



— 5 —

Purification
(graphite purification)



— 6 —

Surface treatment
(coating)

DISCLAIMER

FOR REFERENCE ONLY. The information contained within this product information bulletin is not a product specification. Information provided in this document is supplied to indicate the approximate physical and chemical properties of the material. Customers are strongly urged to test the material independently prior to application/purchase.

