

Seruwila Graphite Specifications

Physical Properties		Target Specification for Natural Graphite	
Particle Size Distribution			
Micronized graphite sizes	D10 (µm)	9+/-4	Natural graphite powder and flake
	D50 (µm)	20 +/-4	
	D90 (µm)	35 +/- 10	
	DMAX (µm)	<=70	
Surface Area (m2/g) (Super Jumbo)		3.0 - 4.5	
Density	Real Density (g/cc)	2.0 - 2.26	
	Tap Density (g/cc)	>1.0	
Impurity	Ash Content (ppm)	<0.05	
	Moisture Content (ppm)	<0.02	
	Metal Impurity (ppm)		
	Fe	<=50	
	Co	<=5	
	Cu	<=5	
	Ni	<=5	
	Al	<=10	
	S	<=100	
pH		4.5 - 5.0	
Crystal Structure	Lc (µm)	>100	
	D002 (µm)	0.3358+/-0.003	
SEM	Surface Morphology	Information Only	
	Cross Section of Particle	Information Only	
Electrochemical Properties 1		Target Specification for Natural Graphite	
Reversible Capacity (mAh/g)		>350	
Irreversible Capacity 1st cyde (mAh/g)		<30	
OCV vs. SOC		Information Only	
Cycle Life		Information Only	
Calendar Life		Information Only	