

## Specification Sheet

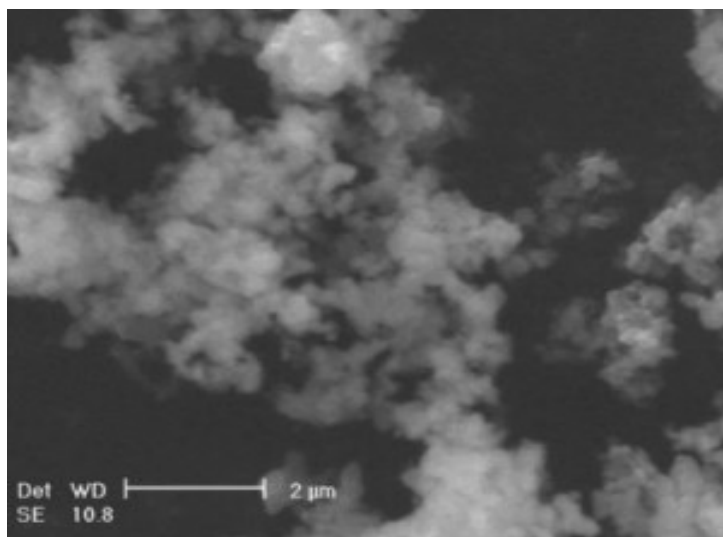
Lithium Iron Phosphate Powder Carbon Coated  
(LiFePO<sub>4</sub>, Purity: 99.9%, APS: 10μm)

Stock No: NS6130-12-000406, CAS: 15365-14-7

|                              |   |  |
|------------------------------|---|--|
| <b>Product</b>               | : | <b>Lithium Iron Phosphate<br/>Powder</b> |
| Stock No                     | : | NS6130-12-000406                         |
| CAS                          | : | 15365-14-7                               |
| Purity                       | : | 99.9%                                    |
| APS                          | : | 10μm                                     |
| Molecular Formula            | : | C-LiFePO <sub>4</sub>                    |
| Molecular Weight             | : | 157.757 g/mol                            |
| Form                         | : | Powder                                   |
| Color                        | : | Black                                    |
| Carbon                       | : | 1.29%                                    |
| Melting Point                | : | >300 °C(lit)                             |
| pH                           | : | 8.92                                     |
| Tap Density                  | : | 1.132 g/cm <sup>3</sup>                  |
| Specific Surface Area        | : | 12.21 m <sup>2</sup> /g                  |
| Moisture                     | : | 1043ppm                                  |
| First Discharge Efficiency   | : | 97.5%                                    |
| First Capacity               | : | 155.5 mAh/g                              |
| Resistance                   | : | 114.9 Ohm.cm                             |
| <b>Main Inspect Verifier</b> | : | <b>Manager QC</b>                        |

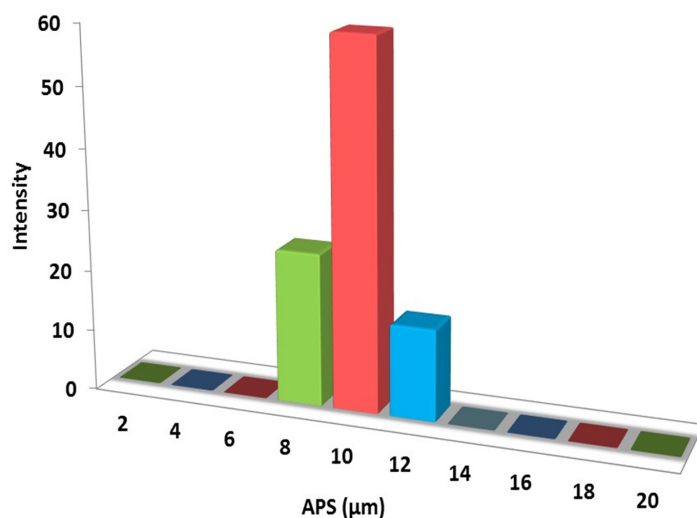
**Note:** Product Specification are subject to amendment and may change over time

## Characterization of Lithium Iron Phosphate Powder Carbon Coated



SEM - Lithium Iron Phosphate Powder

NANOSHEL  
Creating Miracles in Black



Particles Size Analysis - LiFePO<sub>4</sub> Powder