

### Material Characteristics

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<b>Product Name:</b>	NANOMYTE <sup>®</sup> SP-10
<b>Product Description:</b>	Lithium Manganese Nickel Oxide (LMNO) powder
<b>Formula:</b>	LiMn <sub>1.5</sub> Ni <sub>0.5</sub> O <sub>4</sub>
<b>Phase Purity:</b>	> 98%
<b>Average Particle Size (D<sub>50</sub>):</b>	4 – 7 μm
<b>Specific Surface Area:</b>	1 – 1.2 m <sup>2</sup> /g

### Electrical Characteristics

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<b>Nominal Voltage vs. Li/Li<sup>+</sup>:</b>	4.7V
<b>Minimum Capacity:</b>	115 mAh/g
<b>Nominal Capacity at 0.1C:</b>	≥ 130 mAh/g

### Recommended Operating Conditions

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<b>Charge Method:</b>	Constant current – constant voltage
<b>Maximum Charge Voltage:</b>	5.0V vs. Li/Li <sup>+</sup>
<b>Maximum Charge Current:</b>	5C
<b>Cutoff Voltage for Discharge:</b>	3.5V vs. Li/Li <sup>+</sup>
<b>Maximum Discharge Current:</b>	5C

### Available Quantities

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NEI's cathode and anode powders are available for purchase in quantities of 500 grams or more.

### Storage & Handling

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#### Precautions for Safe Handling

Appropriate personal protective equipment should be used at all times. Provide good ventilation or extraction. Avoid contact with eyes and skin. Wash hands thoroughly after handling.

#### Conditions for Safe Storage

Keep container tightly closed in a moisture-free and well-ventilated place.

**Refer to SDS for complete information on the safe handling of this material.**

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