

## Material Characteristics

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<b>Product Name:</b>	NANOMYTE® SP-10
<b>Product Description:</b>	Lithium Manganese Nickel Oxide (LMNO) powder
<b>Formula:</b>	$\text{LiMn}_{1.5}\text{Ni}_{0.5}\text{O}_4$
<b>Average Particle Size (D<sub>50</sub>):</b>	4 – 7 $\mu\text{m}$
<b>Specific Surface Area:</b>	1 – 1.2 $\text{m}^2/\text{g}$

## Electrochemical Characteristics

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<b>Nominal Voltage vs. Li/Li<sup>+</sup>:</b>	4.7V
<b>Minimum Capacity:</b>	115 mAh/g
<b>Experimental Capacity:</b>	≥ 125 mAh/g (3.5 – 5V @ 0.1C)

## Recommended Operating Conditions

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<b>Maximum Charge Voltage:</b>	5.0V vs. Li/Li <sup>+</sup>	<b>Cutoff Voltage for Discharge:</b>	3.5V vs. Li/Li <sup>+</sup>
<b>Maximum Charge Current:</b>	3C	<b>Maximum Discharge Current:</b>	3C

## Available Quantities

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NANOMYTE® SP-10 is available in quantities of 500g, 1kg, 5kg, 10kg, 25kg, or more.

## Precautions for Safe Storage & Handling

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Personal protective equipment should be used at all times. Avoid contact with eyes and skin. Ensure adequate ventilation and avoid inhalation of dusts. Wash hands thoroughly after handling. Store in a dry and well-ventilated place. Avoid moisture. [Refer to SDS for complete safety information of this material.](#)

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