

## Active Material Characteristics

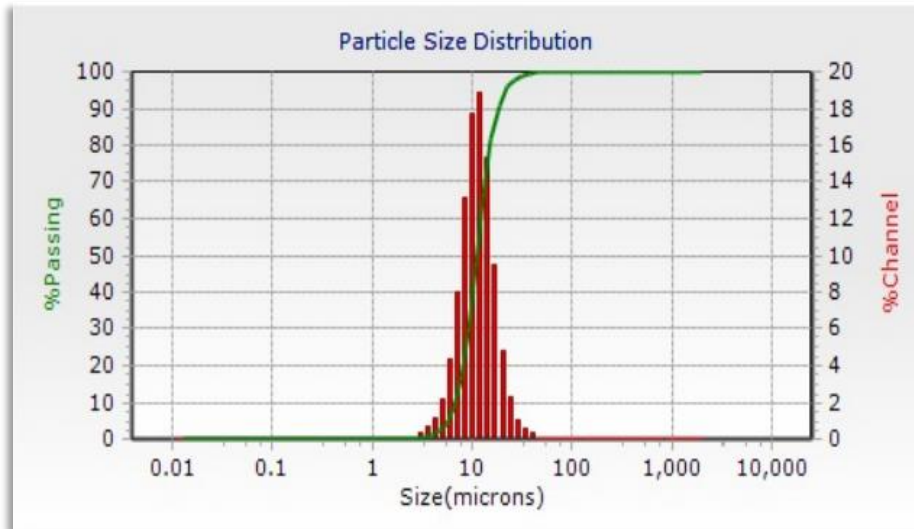
**NEI Part #:** CBP-52

**Product Description:** Lithium Nickel Manganese Cobalt Oxide ("NMC532") powder

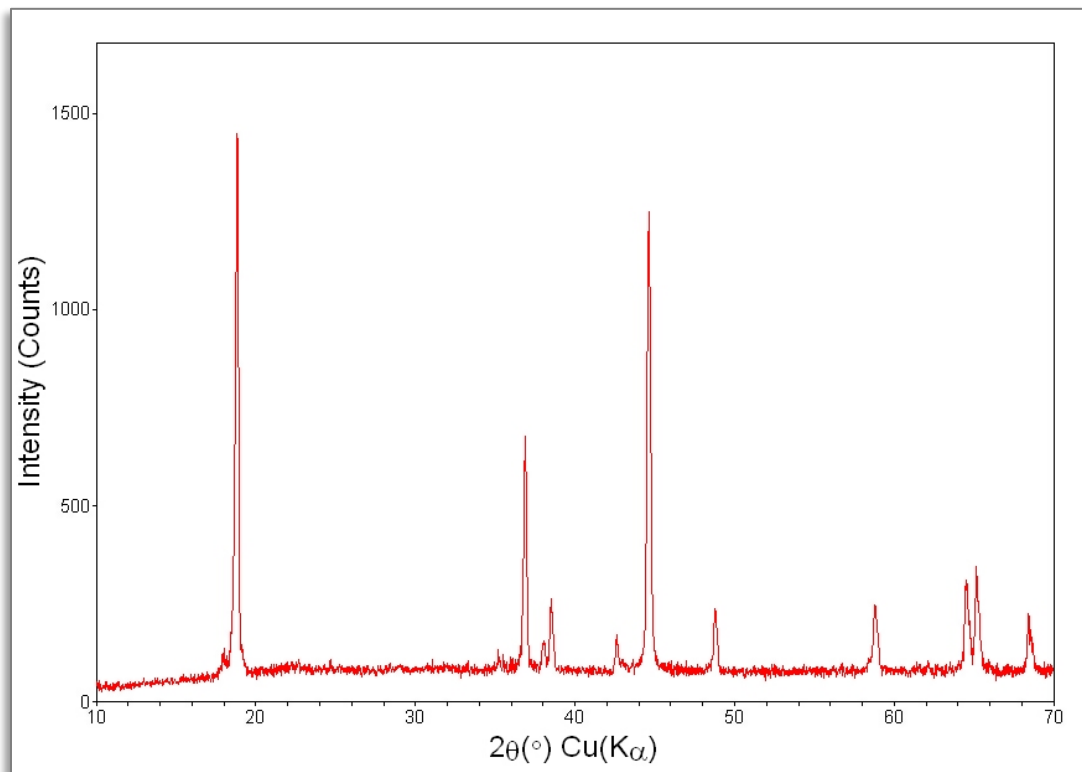
**Formula:**  $\text{LiNi}_{0.5}\text{Mn}_{0.3}\text{Co}_{0.2}\text{O}_2$

**Structure:** Polycrystalline

**Average Particle Size ( $D_{50}$ ):** 11  $\mu\text{m}$



Percentiles	
%Tile	Size(um)
10.00	6.80
20.00	8.19
30.00	9.28
40.00	10.27
50.00	11.26
60.00	12.33
70.00	13.58
80.00	15.25
90.00	18.08
95.00	21.19



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## Electrical Characteristics

<b>Typical First Charge Capacity:</b>	185 mAh/g
<b>Typical First Discharge Capacity:</b>	165 mAh/g
<b>Minimum First Discharge Capacity:</b>	≥ 155 mAh/g (@ 0.1C)
<b>Voltage Range:</b>	4.3 – 2.7V

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## Available Quantities

NEI's Lithium-ion cathode battery powders are available in quantities of 500g, 1kg, 5kg and 10kg.

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## Precautions for Safe Storage & Handling

Appropriate personal protective equipment should be used at all times. Provide appropriate exhaust ventilation at places where dust is formed. Keep container tightly closed in a dry and well-ventilated place.

Refer to SDS for complete safety information of this material.

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