

Active Material Characteristics

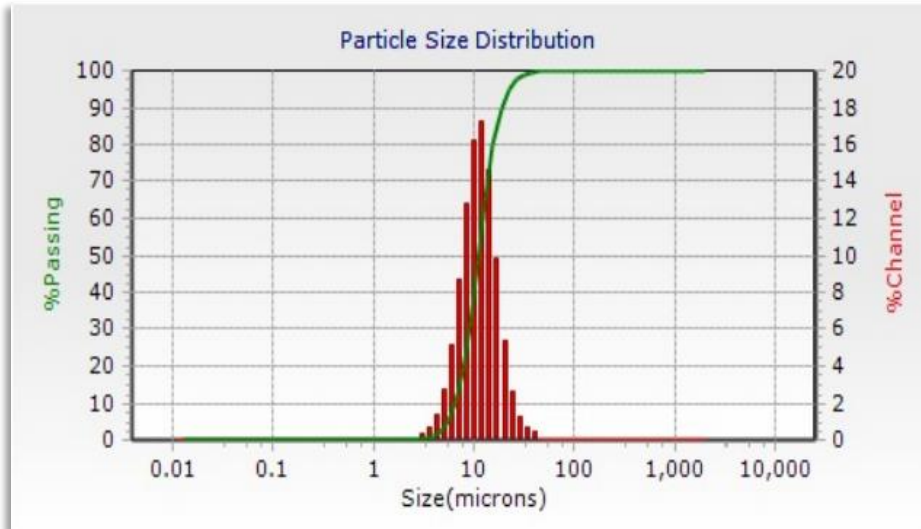
NEI Part #: CBP-50

Product Description: Lithium Nickel Manganese Cobalt Oxide ("NMC111" or "NMC333") powder

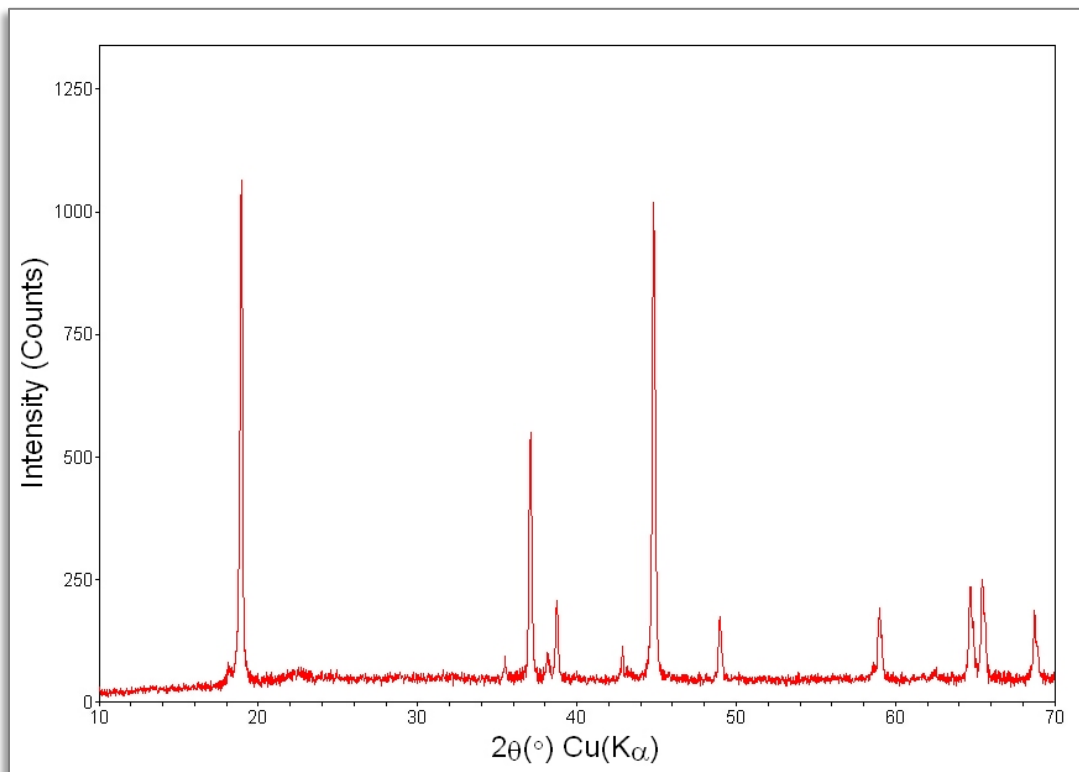
Formula: $\text{LiNi}_{0.33}\text{Mn}_{0.33}\text{Co}_{0.33}\text{O}_2$

Structure: Polycrystalline

Average Particle Size (D₅₀): 11 μm



Percentiles	
% Tile	Size(um)
10.00	6.50
20.00	7.91
30.00	9.07
40.00	10.14
50.00	11.23
60.00	12.41
70.00	13.79
80.00	15.60
90.00	18.70
95.00	22.08



Electrical Characteristics

Typical First Charge Capacity:	170 mAh/g
Typical First Discharge Capacity:	150 mAh/g
Minimum First Discharge Capacity:	≥ 140 mAh/g (@ 0.1C)
Voltage Range:	4.3 – 2.7V

Available Quantities

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

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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