Eata Battery

High-Purity Ni(OH)2 Precursor

Catlog Number: BMCM-0035

Description

Spheroidal nickel hydroxide used as a critical precursor for the synthesis of high-nickel layered oxide cathodes in controlled laboratory environments.

Basic Information

Chemical Formula: Ni(OH)2

Appearance: Green Powder

Molecular Weight: 92.7 g/mol

D50 Particle Size: 10 - 15 μm

Tap Density: ≥ 2.1 g/cm³

BET Surface Area: 8 - 15 m²/g

1st Discharge Capacity: N/A

1st Coulombic Efficiency: N/A

pH Value: 7.0 - 9.0

Moisture Content: ≤ 0.50%

Magnetic Impurities: ≤ 20 ppb

Li/Na Content: N/A

Ni Content: 62 - 63%

Mn Content: N/A

Co Content: N/A

Transition Metals: Nickel Hydroxide

Crystal Structure: Hexagonal

Compaction Density: ≥ 3.2 g/cm³

Storage Conditions: Sealed, Dry

Conductivity: ~10^{-5} S/cm

Voltage Range: N/A

Purity: ≥ 99.9%

Primary Application: Cathode Synthesis

Thermal Stability: High

Cycle Life: N/A

⚠ For Research or Industrial Raw Materials, Not For Personal Medical Use!

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