

High-Purity Ni(OH)₂ Spheroidal

Catlog Number: BMCM-0057

• Description

Spheroidal nickel hydroxide used as a high-quality precursor for synthesizing nickel-rich layered oxide cathodes with controlled particle size.

• 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 Precursor

Thermal Stability: High

Cycle Life: N/A

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