

Pentafluoropyridine

Catlog Number: BMBSA-0078

• Description

A fluorinated aromatic additive used to modulate the electronic environment of the electrolyte, improving the stability of nickel-rich cathodes.

• Basic Information

Physical Form: Colorless Liquid

Purity (%): ≥ 99.0

Moisture Content (ppm): ≤ 100

Density (g/cm³): 1.53

Melting Point (°C): -40

Boiling Point (°C): 84

Solubility in Electrolyte: Good

Electrochemical Window (V): 0-4.6

Acid Content (ppm): ≤ 50

Flash Point (°C): 20

Viscosity (mPa·s): 0.9

Particle Size (D50): N/A

Surface Area (m²/g): N/A

pH Value: 6.5

Solid Content (%): 100

Metal Impurities (ppm): ≤ 10

Chloride Content (ppm): ≤ 20

Sulfate Content (ppm): ≤ 20

Recommended Dosage (wt%): 0.5-2.0

Main Function: Cathode Passivation

Application Phase: Electrolyte Mixing

Storage Temperature (°C): 5-15

Shelf Life (Months): 12

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