

Magnesium-Ion Electrolyte

Catlog Number: BME-0022

• Description

Diglyme-based electrolyte optimized for magnesium-ion batteries (MIB), providing stable magnesium stripping/plating kinetics and high purity.

• Basic Information

Main Salt: Mg(TFSI)₂

Salt Concentration: 0.5 M

Solvent Ratio (Vol%): Diglyme

Additive 1: N/A

Additive 2: N/A

Appearance: Colorless Liquid

Water Content (KF): ≤ 50 ppm

Free Acid (as HF): ≤ 100 ppm

Density (25°C): 1.05-1.15 g/cm³

Conductivity (25°C): 1.5-3.5 mS/cm

Viscosity (25°C): 4.0-6.0 mPa·s

Chloride (Cl⁻): ≤ 10 ppm

Sulfate (SO₄²⁻): ≤ 20 ppm

Iron (Fe) Content: ≤ 2 ppm

Sodium (Na) Content: ≤ 5 ppm

Potassium (K) Content: ≤ 5 ppm

Operating Voltage: 0.0 - 3.5 V

Operating Temp: -10 to 60°C

Flash Point: 55-65°C

Solid Content: 12-15 wt%

Refractive Index: 1.40-1.50

Turbidity: ≤ 5 NTU

Color (APHA): ≤ 30

Packaging: Glass/SS

• Storage

< 5°C, Ar

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