

Li-Air Battery Electrolyte

Catlog Number: BME-0019

• Description

High-boiling-point glyme-based electrolyte with low volatility, specifically designed for stable operation in lithium-air battery systems.

• Basic Information

Main Salt: LiTFSI

Salt Concentration: 1.0 M

Solvent Ratio (Vol%): TEGDME

Additive 1: N/A

Additive 2: N/A

Appearance: Colorless Liquid

Water Content (KF): ≤ 20 ppm

Free Acid (as HF): ≤ 50 ppm

Density (25°C): 1.05-1.15 g/cm³

Conductivity (25°C): 2.0-4.0 mS/cm

Viscosity (25°C): 3.5-5.5 mPa·s

Chloride (Cl⁻): ≤ 2 ppm

Sulfate (SO₄²⁻): ≤ 5 ppm

Iron (Fe) Content: ≤ 1 ppm

Sodium (Na) Content: ≤ 2 ppm

Potassium (K) Content: ≤ 2 ppm

Operating Voltage: 2.0 - 4.5 V

Operating Temp: -10 to 60°C

Flash Point: $> 110^{\circ}\text{C}$

Solid Content: 22-26 wt%

Refractive Index: 1.42-1.52

Turbidity: ≤ 5 NTU

Color (APHA): ≤ 30

Packaging: Glass/SS

• Storage

$< 5^{\circ}\text{C}$, Ar

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