

Calcium-Ion (Ca-TFSI)

Catlog Number: BME-0062

• Description

High-purity electrolyte specifically developed for calcium-ion battery (CIB) systems, supporting multivalent ion intercalation in experimental cells.

• Basic Information

Main Salt: Ca(TFSI)₂

Salt Concentration: 0.5 M

Solvent Ratio (Vol%): EC:PC=1:1

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): 1.28-1.38 g/cm³

Conductivity (25°C): 2.5-4.5 mS/cm

Viscosity (25°C): 10-20 mPa·s

Chloride (Cl⁻): ≤ 5 ppm

Sulfate (SO₄²⁻): ≤ 10 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: 45-55°C

Solid Content: 18-22 wt%

Refractive Index: 1.40-1.48

Turbidity: ≤ 10 NTU

Color (APHA): ≤ 50

Packaging: Glass/SS

• Storage

< 5°C, Ar

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