

## Super-Concentrated Solvate

Catlog Number: BME-0063

### • Description

A "solvate ionic liquid" electrolyte where all solvent molecules are coordinated to Li<sup>+</sup> ions, providing extreme thermal and oxidative stability.

### • Basic Information

Main Salt: LiTFSI

Salt Concentration: 4.0 M

Solvent Ratio (Vol%): G4 (Tetraglyme)

Additive 1: N/A

Additive 2: N/A

Appearance: Pale Yellow

Water Content (KF): ≤ 30 ppm

Free Acid (as HF): ≤ 60 ppm

Density (25°C): 1.48-1.58 g/cm<sup>3</sup>

Conductivity (25°C): 1.0-3.0 mS/cm

Viscosity (25°C): 40-70 mPa·s

Chloride (Cl<sup>-</sup>): ≤ 2 ppm

Sulfate (SO<sub>4</sub><sup>2-</sup>): ≤ 10 ppm

Iron (Fe) Content: ≤ 2 ppm

Sodium (Na) Content: ≤ 5 ppm

Potassium (K) Content: ≤ 5 ppm

Operating Voltage: 0.0 - 4.8 V

Operating Temp: 20 to 80°C

Flash Point: > 140°C

Solid Content: 45-55 wt%

Refractive Index: 1.44-1.54

Turbidity: ≤ 15 NTU

Color (APHA): ≤ 100

Packaging: Glass/SS

### • Storage

RT, Argon

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