

High-Purity LiClO₄

Catlog Number: BME-0047

• Description

Laboratory-grade perchlorate electrolyte often used in fundamental electrochemical studies due to its high solubility and conductivity.

• Basic Information

Main Salt: LiClO₄

Salt Concentration: 1.0 M

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

Additive 1: VC (1%)

Additive 2: N/A

Appearance: Colorless Liquid

Water Content (KF): ≤ 30 ppm

Free Acid (as HF): ≤ 50 ppm

Density (25°C): 1.25-1.35 g/cm³

Conductivity (25°C): 8.0-11 mS/cm

Viscosity (25°C): 3.0-5.0 mPa·s

Chloride (Cl⁻): ≤ 10 ppm

Sulfate (SO₄²⁻): ≤ 5 ppm

Iron (Fe) Content: ≤ 2 ppm

Sodium (Na) Content: ≤ 5 ppm

Potassium (K) Content: ≤ 5 ppm

Operating Voltage: 0.0 - 4.3 V

Operating Temp: -20 to 50°C

Flash Point: 25-35°C

Solid Content: 11-13 wt%

Refractive Index: 1.35-1.43

Turbidity: ≤ 5 NTU

Color (APHA): ≤ 30

Packaging: Glass Bottle

• Storage

< 5°C, Ar

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