Eata Battery

High-Voltage Borate

Catlog Number: BME-0058

Description

Uses Trimethyl Boroxine (TMB) as a cathode film-forming additive to protect nickel-rich surfaces from transition metal dissolution at high voltage.

Basic Information

Main Salt: LiPF6

Salt Concentration: 1.1 M

Solvent Ratio (Vol%): EC:EMC=3:7

Additive 1: TMB (1%)

Additive 2: FEC (2%)

Appearance: Colorless Liquid

Water Content (KF): ≤ 15 ppm

Free Acid (as HF): ≤ 30 ppm

Density (25°C): 1.22-1.32 g/cm³

Conductivity (25°C): 8.5-10.5 mS/cm

Viscosity (25°C): 3.5-5.0 mPa·s

Chloride (Cl-): ≤ 1 ppm

Sulfate (SO4 2-): ≤ 5 ppm

Iron (Fe) Content: ≤ 1 ppm

Sodium (Na) Content: ≤ 2 ppm

Potassium (K) Content: ≤ 2 ppm

Operating Voltage: 0.0 - 4.6 V

Operating Temp: -10 to 60°C

Flash Point: 30-40°C

Solid Content: 13-16 wt%

Refractive Index: 1.37-1.45

Turbidity: ≤ 5 NTU

Color (APHA): ≤ 30

Packaging: SS Cylinder

Storage

< 5°C, Ar

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Eata Battery delivers the world's battery makers a single, reliable source for every high-performance raw material—cathode to collector, catalyst to membrane—so you can design, scale and ship next-generation batteries faster.

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