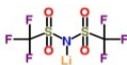




Product Lithium bis(trifluoromethanesulfonyl)imide (Li-TFSI)

CAS No. CAS No: 90076-65-6

Molecule structure



Market

Global

Key parameters

Appearance White or off-white
Color(10w/w% aqueous solution) ≤ 100 Hazen
Lithium bis(trifluoromethylsulfonyl)imide(100 -sum of impurities, w/w%)
 $\leq 99.5\%$
Water Content(KF, w/w%) ≤ 1000 ppm
pH value(Aqueous solution at 10w/w% of Litsi at room temperature)
6.0 to 9.0
Turbidity(25% in dimethoxyethane) ≤ 10 NTU
Chloride(Ionic Chromatography) ≤ 15 ppm
Fluoride(Ionometry) ≤ 20 ppm
Sum of fluoride and chloride ions(Ionic Chromatography) ≤ 35 ppm
Sulphate(Ionic Chromatography) ≤ 20 ppm
Sodium(Na, AAS) ≤ 10 ppm
Potassium(K, ICP-AES) ≤ 5 ppm
Iron(Fe, ICP-AES) ≤ 2 ppm
Aluminium(Al, ICP-AES) ≤ 1 ppm
Silicon(Si, ICP-AES) ≤ 5 ppm
Nickel(Ni, ICP-AES) ≤ 1 ppm
Boron(B, ICP-AES) ≤ 1 ppm
Calcium(Ca, ICP) ≤ 5 ppm
Magnesium(Mg, ICP-AES) ≤ 1 ppm
Copper(Cu, ICP-AES) ≤ 1 ppm
Lead(Pb, ICP-AES) ≤ 1 ppm
Zinc(Zn, ICP-MS) ≤ 1 ppm



Packing & Delivery

5kg/ bag, 15kg/carton
UN No.2923, Class:8, Packing group:II

Application

☑ It can be used as long-acting optical antistatic additives based on ion formula. PPM addition can significantly reduce the surface resistance, significantly improve the antistatic properties of acrylic, PU, PC resin or adhesives
☑ It can be used as battery additives;
☑ It can be used in block copolymer/ionic liquid Membranes;
☑ Ionic gel, using ionic liquid as the dispersing medium, keeps the intrinsic properties of ionic liquids, and solves the problem of ionic liquid spillover and improves the plasticity of ionic liquids.
☑ Ionic liquids are non-volatile and non flammable, which are safer and more environmentally friendly than traditional volatile and flammable organic solvents. Therefore, ionic liquids, supercritical CO₂ and aqueous two-phase are considered to be the three major green solvents. It has been reported that some organic reactions, such as carbon cycle synthesis, adol reaction and cross-linking reaction, have been tried again in ionic liquids. It has been proved that ionic liquids can significantly improve the reaction yield compared with common organic solvents. Because of the extremely low vapor pressure and wide liquid temperature range, ionic liquids are easy to be separated. When the catalyst is dissolved in ionic liquid and recycled together with ionic liquid, the catalyst has the advantages of high homogeneous catalytic efficiency and easy separation of heterogeneous catalysis.

Our advantage

☑ **Made in China** with more than 10 years experience;
☑ High HSE standard factory with HSE approval from multinationals;
☑ Capacity could reach 5Mt/month;
☑ We have complete quality management system, not limited to sampling, method of analysis, sample retainment, Standard operation process;
☑ Freeman ensure the consistency of quality, the strict process of management of changes is followed, including process and equipment, raw material supplies, packing;
☑ The sample could arrive in your hands within 20 days for international customers;
☑ The minimum order quantity is based on one package;
☑ We will feedback to your enquires within 24hours, Dedicated technical team will follow up and ready to give solutions if you have any request;

Welcome contact for more details!