

# Lithium Hexafluorophosphate (LiPF<sub>6</sub>), low moisture; high purity

## Description

Lithium Hexafluorophosphate and Lithium Tetrafluoroborate are the preferred electrolyte salts for lithium batteries. Our highly pure grades of LiPF<sub>6</sub> and LiBF<sub>4</sub> have the characteristics, that is, low free acid and low insoluble. The bottle is covered with Al-laminated sheet to keep the characteristics.

## 1. Quality and Specifications

	Spec.	Typical
Assay	99.9% min	99.9% min
Insoluble in DME (as LiF)	0.1% max	0.05%
	<b>ppm</b>	<b>ppm</b>
Moisture (as H <sub>2</sub> O)	20 max	10 max
Free acid (as HF)	150 max	100
* Metal Impurities *		
Al	3 max	1 max
Ca	5 max	1 max
Cr	2 max	1 max
Cu	2 max	1 max
Fe	5 max	1
Pb	2 max	1 max
Mg	5 max	1 max
Na	5 max	1

## 2. Packing

Contents: 1 kg and 5 kg bottles

## 3. Material Handling Precautions

Both LiPF<sub>6</sub> and LiBF<sub>4</sub> should be handled in a dry environment. Local exhaust ventilation should be provided when handling the products in order to control the release of contaminants into the air. These salts are extremely hygroscopic and LiPF<sub>6</sub> may evolve volatile fluorides such as POF<sub>3</sub> and HF as products of decomposition if allowed to be in contact with moisture.

**Application:** Advanced energy

**Product type:** Consumables, Chemicals

**Production scale:** Lab, Pilot, Commercial

**Search tags:** Advanced Energy, Battery, Electrolyte salt, Lithium Ion Raw Materials