

All technical data presented represent typical results, unless stated otherwise as min/max values. No guarantee is made that material will meet exactly the values shown.

Lithium Hexafluorophosphate (LiPF₆), low moisture; high purity

Description

Lithium Hexafluorophosphate and Lithium Tetrafluoroborate are the preferred electrolyte salts for lithium batteries. Our highly pure grades of LiPF₆ and LiBF₄ 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%
	ppm	ppm
Moisture (as H ₂ 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 LiPF₆ and LiBF₄ 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 LiPF₆ may evolve volatile fluorides such as POF₃ 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

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