

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:
Lithium hexafluorophosphate solution - in ethylene carbonate and dimethyl carbonate, 1.0 M LiPF₆ in
EC/DMC=50/50 (v/v), battery grade

Product Number: 746711



Formula: LiPF₆

TEST	Specification
Appearance (Clarity)	Clear
Color Test (APHA)	≤ 50
Concentration	0.95 - 1.10 M
Lithium Hexafluorophosphate (LiPF ₆)	
Solvent Content	45.0 - 55.0 %
Volume%; Ethylene Carbonate	
Solvent Content	45.0 - 55.0 %
Volume%; Dimethyl Carbonate	
Water (by Karl Fischer)	≤ 15 ppm
Hydrogen Fluoride (HF)	≤ 50 ppm
Chloride (Cl)	≤ 1 ppm
Sulfate (SO ₄)	≤ 2 ppm
Sodium (Na)	≤ 1 ppm
Potassium (K)	≤ 1 ppm
Calcium (Ca)	≤ 1 ppm
Iron (Fe)	≤ 1 ppm
Lead (Pb)	≤ 1 ppm
Product of Supplier	-----
Product of UBE Industries Ltd.	

Specification: PRD.2.ZQ5.1000043153

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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