

## Product Specification

Product Name:

Lithium hexafluorophosphate solution - in ethylene carbonate and diethyl carbonate, 1.0 M LiPF<sub>6</sub> in EC/DEC=50/50 (v/v), battery grade

Product Number: 746746

LiPF<sub>6</sub>Formula: LiPF<sub>6</sub>

| TEST                                             | Specification |
|--------------------------------------------------|---------------|
| Appearance (Clarity)                             | Clear         |
| Color Test (APHA)                                | ≤ 50          |
| Concentration                                    | 0.95 - 1.10 M |
| Lithium Hexafluorophosphate (LiPF <sub>6</sub> ) |               |
| Solvent Content                                  | 45.0 - 55.0 % |
| Volume%; Ethylene Carbonate                      |               |
| Solvent Content                                  | 45.0 - 55.0 % |
| Volume%; Diethyl Carbonate                       |               |
| Water (by Karl Fischer)                          | ≤ 15 ppm      |
| Hydrogen Fluoride (HF)                           | ≤ 50 ppm      |
| Chloride (Cl)                                    | ≤ 1 ppm       |
| Sulfate (SO <sub>4</sub> )                       | ≤ 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                              | -----         |
| MU Ionic Solutions Corp                          |               |

Specification: PRD.1.ZQ5.10000043156

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](http://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.

