

## Specification Sheet

Product Name: **Lithium acetate dihydrate**  
 Specifications & Purity: **UltraBio™, ≥99.0%(anhydrous basis)**  
 SKU #: **L755638**

| Parameter                                          | Limit Values                                        |
|----------------------------------------------------|-----------------------------------------------------|
| Appearance(L755638)                                | Colorless or White Crystals or Crystals with Chunks |
| Solubility(1M in H <sub>2</sub> O)Clear Colorless  | pass                                                |
| PH(25°C,1M in Water)                               | 6.5-8.5                                             |
| Aluminum(Al)                                       | 0-5 (ppm)                                           |
| Lead(Pb)                                           | 0-5 (ppm)                                           |
| Chloride (Cl-)                                     | 0-50 (ppm)                                          |
| Sulfate(SO <sub>4</sub> 2-)                        | 0-100 (ppm)                                         |
| Copper(Cu)                                         | 0-5 (ppm)                                           |
| Iron(Fe)                                           | 0-5 (ppm)                                           |
| Zinc(Zn)                                           | 0-5 (ppm)                                           |
| Calcium(Ca)                                        | 0-10 (ppm)                                          |
| Magnesium (Mg)                                     | 0-5 (ppm)                                           |
| Potassium(K)                                       | 0-50 (ppm)                                          |
| Barium(Ba)                                         | 0-5 (ppm)                                           |
| Bismuth(Bi)                                        | 0-5 (ppm)                                           |
| Cadmium(Cd)                                        | 0-5 (ppm)                                           |
| Cobalt (Co)                                        | 0-5 (ppm)                                           |
| Chromium(Cr)                                       | 0-5 (ppm)                                           |
| Manganese(Mn)                                      | 0-5 (ppm)                                           |
| Molybdenum(Mo)                                     | 0-5 (ppm)                                           |
| Sodium(Na)                                         | 0-50 (ppm)                                          |
| Nickel(Ni)                                         | 0-5 (ppm)                                           |
| Strontium(Sr)                                      | 0-5 (ppm)                                           |
| Arsenic traces(MHS-AAS)                            | 0-0.1 (ppm)                                         |
| Purity(Titration by HClO <sub>4</sub> )(anhydrous) | 98.5-101.5 (%)                                      |
| Water by Karl Fischer                              | 34-37 (%)                                           |
| A260 UV Absorption (0.1M H <sub>2</sub> O)         | ≤ 0.04                                              |
| A280 UV Absorption (0.1M H <sub>2</sub> O)         | ≤ 0.03                                              |
| X-Ray Diffraction                                  | Conforms to Structure                               |