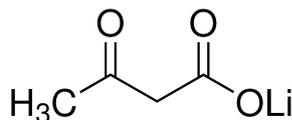


Certificate of Analysis

Product Name : Lithium acetoacetate ≥90% (HPLC)
Product Number : A8509-BULK
Batch Number : 0000414381
CAS Number : 3483-11-2
MDL Number : MFCD00013060
Storage Temperature : -20°C
Molecular Formula : C₄H₅LiO₃
Formula Weight : 108.02 g/mol
Quality Release Date : 01 Apr 2025



Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Faint Yellow	Almost Colorless
Solubility (Turbidity) 50 mg/ml, H ₂ O	Clear	Clear
Water (by Karl Fischer)	≤ 5 %	3 %
Purity (HPLC)	≥ 90 %	98 %
Enzymatic Suitability Acetoacetic acid is converted to B-Hydroxybutyrate in the presence of B-Hydroxybutyrate Dehydrogenase	Suitable	Suitable
Lithium (Anhydrous)	3.3 - 8.8 %	7.3 %

Jagodige Yasomanee, Supervisor

Quality Assurance

St. Louis, Dekalb

US

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. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

Version Number: 01 Doc: 1215025

Page 1 of 1

