

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-11 09:31:46  
 Date of Next Testing: 2026-10-10 09:31:46  
 Product Name: **(R)-Methyl 2-hydroxybutanoate**  
 CAS Number: 73349-07-2  
 Specifications & Purity:  $\geq 95\%$   
 Lot #: I2325625  
 SKU #: **R590029**  
 Version: **1**  
 Analysis #: **272120**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                               | Limit Values                      | Result                            |
|---------------------------------------------------------|-----------------------------------|-----------------------------------|
| Purity(GC)                                              | 95-100 (%)                        | 98.03700 %                        |
| Specific rotation $[\alpha]_{20/D}(C=1g/100ml, CHCl_3)$ | 7-12 (°)                          | 10.67900 °                        |
| NMR Spectrum 1H                                         | Conforms to structure             | Conforms to Structure             |
| Appearance(R590029)                                     | Colourless to light yellow liquid | colourless to light yellow liquid |
| GC-MS for identification                                | Conforms                          | Conforms                          |



John Su  
QA & QC Manager