

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-27 09:33:15

Date of Next Testing: 2027-11-26 09:33:15

Product Name: **Methyl (R)-3-hydroxybutyrate**

CAS Number: 3976-69-0

Specifications & Purity:  $\geq 98\%$ (GC)

Lot #: K2323082

SKU #: **H124084**

Version: **0**

Analysis #: **294690**

Storage Temperature: Store at 2-8°C

| Parameter                              | Limit Values          | Result                |
|----------------------------------------|-----------------------|-----------------------|
| Purity(GC)                             | 98-100 (%)            | 99.50400 %            |
| Refractive index n <sub>20</sub> /D    | 1.42-1.423            | 1.42180               |
| Density (20°C)                         | 1.056-1.06            | 1.05660               |
| Specific Rotation [α] <sub>20</sub> /D | -25--21 (°)           | -24.64400 °           |
| Appearance (H124084)                   | Colorless Liquid      | Colorless liquid      |
| Proton NMR spectrum                    | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager