

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2025-12-15 14:03:05

Date of Next Testing: 2028-12-14 14:03:05

Product Name: **(R)-3-Hydroxybutanoic acid**

CAS Number: 625-72-9

Specifications & Purity:  $\geq 95\%$

Lot #: L2511654

SKU #: **R304188**

Version: **1**

Analysis #: **614693**

Storage Temperature: Store at 2-8°C, Desiccated

| Parameter                                                       | Limit Values                                                   | Result                                                         |
|-----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
| Purity(GC)                                                      | 95-100 (%)                                                     | 97.14000 %                                                     |
| Specific Rotation<br>[ $\alpha$ ] <sub>20</sub> /D(c=1 in MeOH) | -25--23 (°)                                                    | -23.02000 °                                                    |
| Appearance(R304188)                                             | Colorless or White or Light Yellow Powder or Crystals or solid | Colorless or White or Light Yellow Powder or Crystals or solid |
| Proton NMR spectrum                                             | Conforms to structure                                          | Conforms to Structure                                          |



John Su  
QA & QC Manager