

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2022-12-29 15:50:33

Date of Next Testing: 2026-12-28 15:50:33

Product Name: **(R)-2-Hydroxy-4-phenylbutyric Acid**

CAS Number: 29678-81-7

Specifications & Purity:  $\geq 98\%$

Lot #: L2216582

SKU #: **R160938**

Version: **0**

Analysis #: **153099**

Storage Temperature: Room temperature

| Parameter                                                | Limit Values                                     | Result                                           |
|----------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Purity(HPLC)                                             | 98-100 (%)                                       | 99.32300 %                                       |
| Melting point                                            | 115-119 (°C)                                     | 116.93000 °C                                     |
| Purity(Titration by 0.1M NaOH)                           | 97.5-102.5 (%)                                   | 99.60000 %                                       |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$ | -10--7 (°)                                       | -7.03900 °                                       |
| Appearance (R160938)                                     | White Powder, Crystals, Fibers, Flakes, or Solid | White Powder, Crystals, Fibers, Flakes, or Solid |
| Proton NMR spectrum                                      | Conforms to Structure                            | Conforms to Structure                            |



John Su  
QA & QC Manager