

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-18 16:56:25

Date of Next Testing: 2027-07-17 16:56:25

Product Name: **(S)- $\beta$ -Hydroxy- $\gamma$ -butyrolactone**

CAS Number: 7331-52-4

Specifications & Purity:  $\geq 96\%$

Lot #: G2307392

SKU #: **H107941**

Version: **3**

Analysis #: **253177**

Storage Temperature: Store at 2-8°C

| Parameter                                           | Limit Values               | Result                     |
|-----------------------------------------------------|----------------------------|----------------------------|
| Refractive index n <sub>20</sub> /D                 | 1.462-1.466                | 1.46300                    |
| Density (20°C)                                      | 1.303-1.309                | 1.30500                    |
| Specific Rotation [a] <sub>20</sub> /D(c=2 in EtOH) | -85--81 (°)                | -84.84000 °                |
| Purity(HPLC area)                                   | 96-100 (%)                 | 96.57400 %                 |
| Appearance (H107941)                                | Colorless to Yellow Liquid | Colorless to Yellow Liquid |
| Infrared spectrum                                   | Conforms to Structure      | Conforms to Structure      |



John Su  
QA & QC Manager