

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-20 10:56:11
Date of Next Testing: 2023-07-20 10:56:11
Product Name: **beta-Hydroxypyruvic acid**
CAS Number: 1113-60-6
Specifications & Purity: $\geq 95\%$
Lot #: G2213179
SKU #: **H276063**
Analysis: **097472**
Storage Temperature: Store at -20°C , Desiccated

| Parameter | Limit Values | Result |
|----------------------------------|---|---|
| Purity(Neutralization titration) | 94.5-102.5 (%) | 97.50 % |
| Water by Karl Fischer | ≤ 15 (%) | 6.70 % |
| Proton NMR spectrum | Conforms to structure | Conforms to Structure |
| Appearance(H276063) | White to Faint Beige Powder or Powder with Chunk(s) | White to Faint Beige Powder or Powder with Chunk(s) |



John Su
QA & QC Manager