

## Certificate of Analysis

Date of Testing: 2022-05-25 15:21:28  
Date of Next Testing: 2026-05-24 15:21:28  
Product Name:  **$\alpha$ -Hydroxyisobutyric acid**  
CAS Number: 594-61-6  
Specifications & Purity: 98%  
Lot #: E2220033  
SKU #: H113439  
Analysis: 082044

| Parameter                        | Limit Values                            | Result                                  |
|----------------------------------|-----------------------------------------|-----------------------------------------|
| Purity(Neutralization titration) | 97.5-102.5 (%)                          | 98.51%                                  |
| Melting point                    | 78-82 (°C)                              | 81.96000 °C                             |
| Appearance (H113439)             | White to Almost white powder to crystal | White to Almost white powder to crystal |
| Proton NMR spectrum              | Conforms to Structure                   | Conforms to Structure                   |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager