

## Certificate of Analysis

Date of Testing: 2023-06-15 14:35:17  
Date of Next Testing: 2024-06-14 14:35:17  
Product Name: **beta-Hydroxypyruvic acid**  
CAS Number: 1113-60-6  
Specifications & Purity:  $\geq 95\%$   
Lot #: E2330961  
SKU #: **H276063**  
**Analysis:** **224933**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Desiccated

Parameter	Limit Values	Result
Purity(Neutralization titration)	94.5-102.5 (%)	95.62 %
Water by Karl Fischer	$\leq 15$ (%)	14.19 %
Appearance(H276063)	White to Faint Beige Powder or Powder with Chunk(s)	White to Faint Beige Powder or Powder with Chunk(s)
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager