

## Certificate of Analysis

Date of Testing: 2024-05-09 15:57:16  
Date of Next Testing: 2025-05-09 15:57:16  
Product Name: **beta-Hydroxypyruvic acid**  
CAS Number: 1113-60-6  
Specifications & Purity:  $\geq 95\%$   
Lot #: E23301013  
SKU #: **H276063**  
**Analysis:** **355637**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Desiccated

Parameter	Limit Values	Result
Purity(Neutralization titration)	94.5-102.5 (%)	95.60 %
Water by Karl Fischer	$\leq 15$ (%)	14.17 %
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