

## Certificate of Analysis

Date of Testing: 2024-11-22 12:01:33  
Date of Next Testing: 2028-11-21 12:01:33  
Product Name: **Isosorbide**  
CAS Number: 652-67-5  
Specifications & Purity:  $\geq 98\%$ (GC)  
Lot #: K2420163  
SKU #: **I157515**  
Version: **0**  
Analysis #: **176008**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=5 \text{ in H}_2\text{O})$	43-47 ( $^{\circ}$ )	45.12 $^{\circ}$
Melting point	58-63 ( $^{\circ}\text{C}$ )	61.27000 $^{\circ}\text{C}$
Purity(GC)	98-100 (%)	98.18%
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager