

## Certificate of Analysis

Date of Testing: 2022-03-20 16:38:58  
Date of Next Testing: 2026-03-19 16:38:58  
Product Name: **Isosorbide**  
CAS Number: 652-67-5  
Specifications & Purity: >98.0%(GC)  
Lot #: C2215487  
SKU #: **I157515**  
**Analysis:** **072299**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [ $\alpha$ ] <sub>20</sub> /D(c=5 in H <sub>2</sub> O)	43-47 (°)	45.53°
Melting point	58-63 (°C)	59.75000 °C
Purity(GC)	98-100 (%)	98.74%
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager