

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-06 11:49:54

Date of Next Testing: 2025-06-05 11:49:54

Product Name: **Miglitol**

CAS Number: 72432-03-2

Specifications & Purity: $\geq 98\%$ (GC)

Lot #: E2326787

SKU #: **M129345****Analysis: 199780**Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Melting point	144-148 ($^{\circ}\text{C}$)	147.91000 $^{\circ}\text{C}$
Specific Rotation $[\alpha]_{20}^{\text{D}}(c=0.5 \text{ in H}_2\text{O})$	-9--7 ($^{\circ}$)	-7.91 $^{\circ}$
Purity(Nonaqueous Titration)	97.5-102.5 (%)	101.85 %
Purity(GC)	98-100 (%)	99.73 %
Appearance (M129345)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow,Clear,5 mg/mL	pass	Pass

John Su
QA & QC Manager