

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-25 16:24:31
 Date of Next Testing: 2027-04-24 16:24:31
 Product Name: **Methyl (R)-(-)-mandelate**
 CAS Number: 20698-91-3
 Specifications & Purity: $\geq 98\%$
 Lot #: D2318261
 SKU #: **M107989**
 Version: **2**
 Analysis #: **026682**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Enantiomeric excess (HPLC)	97-100 (%)	99.00000 %
Purity(GC)	98-100 (%)	98.14800 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$	-150--140 ($^{\circ}$)	-149.99000 $^{\circ}$
Appearance (M107989)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager