

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-08-25 14:01:25
Date of Next Testing:	2025-08-24 14:01:25
Product Name:	<b>Acarbose Hydrate</b>
CAS Number:	56180-94-0
Specifications & Purity:	≥98%
Lot #:	H2321101
SKU #	<b>A129816</b>
Version	<b>0</b>
Analysis #:	<b>075002</b>
Storage Temperature:	Store at -20°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	44-46.7 (%)	45.62 %
Water by Karl Fischer	0-5 (%)	2.27 %
Purity(HPLC)	98-100 (%)	98.06000 %
Oxygen by Elemental Analysis	42.2-44.8 (%)	42.21 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)(calcd.on anh.substance)	173-183 (°)	173.01 °
Appearance (A129816)	White to Off-White Powder or Solid	White to Off-White Powder or Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O(CO <sub>2</sub> free)	Colorless Clear(50 mg/ml)	Colorless Clear(50 mg/ml)



John Su  
QA & QC Manager