

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-09-26 11:00:30
Date of Next Testing:	2026-09-26 11:00:30
Product Name:	<b>Acarbose Hydrate</b>
CAS Number:	56180-94-0
Specifications & Purity:	≥98%
Lot #:	I2424122
SKU #	<b>A129816</b>
Version	<b>2</b>
Analysis #:	<b>407156</b>
Storage Temperature:	Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.40500 %
Water by Karl Fischer	0-5 (%)	4.98 %
Carbon by Elemental Analysis	44-46.7 (%)	45.90 %
Oxygen by Elemental Analysis	42.2-44.8 (%)	43.20 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O) (calcd.on anh.substance)	173-183 (°)	174.00 °
Appearance (A129816)	White to Off-White to light Yellow Powder or Solid	white to off-white to light yellow powder or solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O(50 mg/mL),Colorless to light yellow Clear	Pass	Pass



John Su  
QA & QC Manager