

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-06 11:00:19  
Date of Next Testing: 2026-12-06 11:00:19  
Product Name: **Acarbose Hydrate**  
CAS Number: 56180-94-0  
Specifications & Purity: Moligand™, ≥98%  
Lot #: C2304157  
SKU #: **A129816**  
Version: **2**  
Analysis #: **444318**  
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 (%)	98.05800%
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)	168-183 (°)	173.01°
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