

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-11-27 14:04:54
Date of Next Testing:	2026-11-27 14:04:54
Product Name:	Acarbose Hydrate
CAS Number:	56180-94-0
Specifications & Purity:	Moligand™, ≥98%
Lot #:	K2422281
SKU #	A129816
Version	2
Analysis #:	433543
Storage Temperature:	Store at -20°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	44-46.7 (%)	45.19%
Water by Karl Fischer	0-5 (%)	2.16%
Purity(HPLC)	98-100 (%)	99.84300%
Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O) (calcd.on anh.substance)	168-183 (°)	171.16°
Oxygen by Elemental Analysis	42.2-44.8 (%)	42.20%
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 ₂ O(50 mg/mL),Colorless to light yellow Clear	Pass	Pass



John Su
QA & QC Manager