

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-27 14:02:19
Date of Next Testing: 2026-11-27 14:02:19
Product Name: **Acarbose Hydrate**
CAS Number: 56180-94-0
Specifications & Purity: Moligand™, ≥98%
Lot #: K2422279
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