

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-08 09:45:52

Date of Next Testing: 2027-05-08 09:45:52

Product Name: **Acarbose Hydrate**

CAS Number: 56180-94-0

Specifications & Purity: Moligand™, ≥98%

Lot #: D2530086

SKU #: **A129816**

Version: **2**

Analysis #: **499100**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	44-46.7 (%)	45.22 %
Water by Karl Fischer	0-5 (%)	2.57 %
Purity(HPLC)	98-100 (%)	99.87900 %
Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O) (calcd.on anh.substance)	168-183 (°)	172.19 °
Oxygen by Elemental Analysis	42.2-44.8 (%)	42.30 %
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