

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-26 11:55:22

Date of Next Testing: 2026-09-26 11:55:22

Product Name: **Acarbose Hydrate**

CAS Number: 56180-94-0

Specifications & Purity: $\geq 98\%$

Lot #: 12424123

SKU #: **A129816**Version: **2**Analysis #: **407156**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 $[\alpha]_{20}^D(c=1 \text{ in H}_2\text{O})$ (calcd.on anh.substance)	173-183 ($^{\circ}$)	174.00 $^{\circ}$
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