

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-25 13:33:54
Date of Next Testing: 2025-09-24 13:33:54
Product Name: **Acarbose Hydrate**
CAS Number: 56180-94-0
Specifications & Purity: $\geq 98\%$
Lot #: I2318159
SKU #: **A129816**
Version: **0**
Analysis #: **075002**
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 (%)	98.06000 %
Oxygen by Elemental Analysis	42.2-44.8 (%)	42.21 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})(\text{calcd. on anh. substance})$	173-183 ($^{\circ}$)	173.01 $^{\circ}$
Appearance (A129816)	White to Off-White Powder or Solid	White to Off-White Powder or Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O(CO ₂ free)	Colorless Clear(50 mg/ml)	Colorless Clear(50 mg/ml)



John Su
QA & QC Manager