

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

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|--------------------------|-------------------------|
| Date of Testing: | 2024-07-19 16:56:26 |
| Date of Next Testing: | 2026-07-19 16:56:26 |
| Product Name: | Acarbose Hydrate |
| CAS Number: | 56180-94-0 |
| Specifications & Purity: | ≥98% |
| Lot #: | G2411239 |
| SKU # | A129816 |
| Version | 2 |
| Analysis #: | 368149 |
| Storage Temperature: | Store at -20°C |

| Parameter | Limit Values | Result |
|---|---|---|
| Purity(HPLC) | 98-100 (%) | 98.85000 % |
| Carbon by Elemental Analysis | 44-46.7 (%) | 46.25 % |
| Water by Karl Fischer | 0-5 (%) | 5.00 % |
| Oxygen by Elemental Analysis | 42.2-44.8 (%) | 42.50 % |
| Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O) (calcd.on anh.substance) | 173-183 (°) | 173.20 ° |
| Appearance (A129816) | White to Off-White to light Yellow Powder or Solid | white to off-white to light yellow powder or solid |
| Solubility in H ₂ O(50 mg/mL),Colorless to light yellow Clear | Pass | Pass |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager