

Certificate of Analysis

Date of Testing: 2023-02-13 15:42:58
 Date of Next Testing: 2025-02-12 15:42:58
 Product Name: **Acarbose Hydrate**
 CAS Number: 56180-94-0
 Specifications & Purity: $\geq 98\%$
 Lot #: E2113057
 SKU #: **A129816**
Analysis: **186950**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	44-46.7 (%)	44.60 %
Water by Karl Fischer	0-5 (%)	2.31 %
Purity(HPLC)	98-100 (%)	98.30000 %
Oxygen by Elemental Analysis	42.2-44.8 (%)	43.30 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})(\text{calcd. on anh.substance})$	173-183 ($^{\circ}$)	176.60 $^{\circ}$
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