

## 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 #: E2113058

SKU #: **A129816**

**Analysis: 186950**

Storage Temperature: Store at  $-20^{\circ}\text{C}$

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 <sub>2</sub> O(CO <sub>2</sub> free)	Colorless Clear(50 mg/ml)	Colorless Clear(50 mg/ml)



John Su  
QA & QC Manager