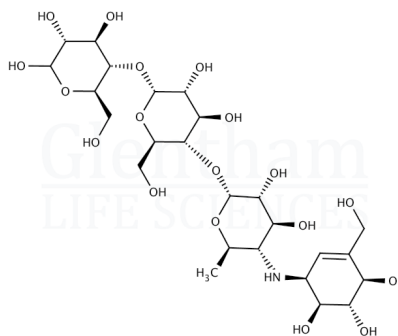


Certificate of Analysis

Product Name Acarbose, EP grade
Glentham Code GC9000
CAS Number 56180-94-0
EINECS 260-030-7
MDL Number MFCD00869592
Batch Number 608ICW

Molecular Weight 645.61
Molecular Formula $C_{25}H_{43}NO_{18}$
Storage Temp. +20°C



Property	Specification	Batch 608ICW
Physical Description	White to light-yellow powder	Light-yellow powder
Identification (IR)	(Test A) To conform to standard	Conforms
Identification	B: According to EP	Conforms
Solubility (5% in water)	Clear, colourless to pale yellow solution	Clear, pale yellow solution
pH (5% in water)	5.5 - 7.5	7.2
Specific Optical Rotation	+168 - +183 ° (c=1, water, anhydrous)	+178.7°
Absorbance	≤ 0.15 (at 415nm)	0.008
Impurity A	≤ 0.6%	0.1%
Impurity B	≤ 0.5%	0.2%
Impurity C	≤ 1.5%	0.3%
Impurity D	≤ 1.0%	0.4%
Impurity E	≤ 0.2%	0.0%
Impurities F, G	≤ 0.3%	Conforms
Any Other Individual Impurity	≤ 0.2%	Conforms
Total Impurities	≤ 3.0%	1.5%
Water	≤ 4.0%	2.2%
Sulphated Ash	≤ 0.2%	0.06%
Assay (HPLC)	95.0 - 102.0 % (anhydrous basis)	98.8%
Pharmacopoeia Specification(s)	EP	Conforms

Specification Version v1.1
Manufacture Date 2021-03-01
Re-Test Date 2029-09-22

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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