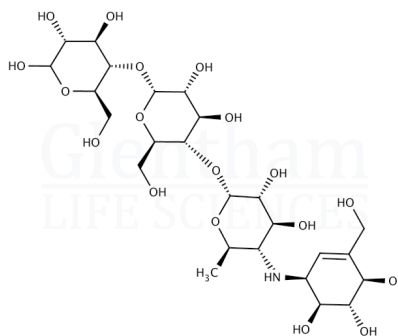


## Certificate of Analysis

Product Name	Acarbose, EP grade
Glentham Code	GC9000
CAS Number	56180-94-0
EINECS	260-030-7
MDL Number	MFCD00869592
Batch Number	461XCN
Molecular Weight	645.61
Molecular Formula	$C_{25}H_{43}NO_{18}$
Storage Temp.	+20°C



Property	Specification	Batch 461XCN
Physical Description	White to light-yellow powder	Off-white powder
Identification	A, B: According to EP	Conforms
Solubility (5% in water)	Clear, colourless to pale yellow solution	Clear, colourless solution
pH (5% in water)	5.5 - 7.5	7.1
Specific Optical Rotation	+168 - +183 ° (dry basis)	+178°
Absorbance	≤ 0.15 (at 415nm)	Conforms
Impurity A	≤ 0.6%	0.2%
Impurity B	≤ 0.5%	0.2%
Impurity C	≤ 1.5%	0.2%
Impurity D	≤ 1.0%	0.3%
Impurity E	≤ 0.2%	Not detected
Impurities F, G	≤ 0.3%	Not detected
Impurity H	≤ 0.2%	Conforms
Any Other Individual Impurity	≤ 0.2%	Conforms
Total Impurities	≤ 3.0%	1.2%
Heavy Metals	≤ 20ppm	Conforms
Water	≤ 4.0%	2.2%
Sulphated Ash	≤ 0.2%	0.06%
Assay (HPLC)	95.0 - 102.0 %	98.8%
Pharmacopoeia Specification(s)	EP	Conforms to EP

Specification Version	v1.0
Manufacture Date	2021-01-26
Re-Test Date	2027-10-01

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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