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## Certificate of Analysis

Product Name Imipenem monohydrate, 98%, EP grade

 Glentham Code
 GA7773

 CAS Number
 74431-23-5

 EINECS
 264-734-5

 MDL Number
 MFCD09753321

 Additional CAS
 64221-86-9

 Batch Number
 865XSO

Molecular Weight 317.36

Storage Temp. -20°C

HO'''''	0
H	am
	ОН
HN N S	O H

Property	Specification	Batch 865XSO
Physical Description	White, almost white, or pale yellow powder	Pale yellow powder
Identification (IR)	To conform to standard	Conforms
Appearance of Solution	To pass test	Conforms
pH (0.5% in water)	4.5 - 7.5	7.3
Specific Optical Rotation	+90 - +95 °	92 °
Impurity A	≤ 1.0%	0.4%
Any Other Individual Impurity	≤ 0.3%	0.06%
Total Impurities	≤ 1.0% (exc. impurity A)	0.51%
Water (KF)	5.0 - 8.0 %	6.22%
Sulphated Ash	≤ 0.2%	0.09%
Assay (HPLC)	98.0 - 102.0 % (anhydrous basis)	99.6%
Pharmacopoeia Specification(s)	EP	Conforms

Specification Version v1.0

Manufacture Date 2019-06-05

Re-Test Date 2026-03-13

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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