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Certificate of Analysis

Product Name Imipenem Glentham Code GA1119 **CAS Number** 74431-23-5 **EINECS** 264-734-5 MDL Number MFCD09753321 Additional CAS 64221-86-9 PubChem SID 310275161 **Batch Number** 967YXL Molecular Weight 299.35 (anhydrous)

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 $\begin{array}{lll} \mbox{Molecular Formula} & \mbox{$\rm C$}_{12}\mbox{$\rm H$}_{17}\mbox{$\rm N$}_3\mbox{$\rm O$}_4\mbox{$\rm S$} \cdot \mbox{$\rm xH$}_2\mbox{$\rm O$} \\ \mbox{Storage Temp.} & \mbox{$\rm +4^{\circ}C$} \end{array}$

Property	Specification	Batch 967YXL
Physical Description	White to light-yellow or beige powder	Light-yellow powder
Identification (IR)	To conform to standard	Conforms
Solubility (0.5% in water)	Clear, colourless to faint yellow solution	Clear, very faint yellow solution
Specific Optical Rotation ([α]20/D)	+80.0 - +90.0 ° (c=1, water)	+87.6°
Water (KF)	3.0 - 8.0 %	7.2%
Assay	≥ 97.5% (dried basis)	99.4%

Specification Version v1.2

Manufacture Date 2023-11-24

Re-Test Date 2030-12-18

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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