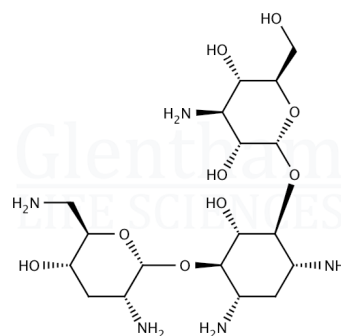


Certificate of Analysis

Product Name Tobramycin, EP grade
Glentham Code GA9008
CAS Number 32986-56-4
EINECS 251-322-5
MDL Number MFCD00077885
PubChem SID 310281029
Batch Number 619EYM

Molecular Weight 467.5
Molecular Formula $C_{18}H_{37}N_5O_9$
Storage Temp. +4°C



Property	Specification	Batch 619EYM
Physical Description	White to off-white powder	Conforms
Identification	According to EP	Conforms
Assay	97.0 - 102.0 % (anhydrous)	98.3%
pH (10% in water)	9.0 - 11.0	10.42
Specific Optical Rotation	+138 - +148 °	+140.6 °
Any Individual Impurity	≤ 0.5%	≤ 0.25%
Total Impurities	≤ 1.5%	≤ 0.25%
2-Methyl-1-Propanol	≤ 1.0%	Not detected
Water	≤ 8.0%	5.42%
Sulphated Ash	≤ 0.3%	0.06%
Pharmacopoeia Specification(s)	EP	Conforms to EP7.0

Specification Version v1.0
Manufacture Date 2014-11-11
Re-Test Date 2021-05-05

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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