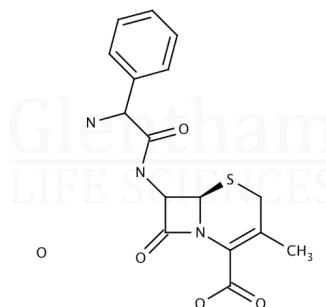


Certificate of Analysis

Product Name	Cefalexin monohydrate, USP grade
Glentham Code	GA5559
CAS Number	23325-78-2
MDL Number	MFCD00056877
Additional CAS	15686-71-2
Batch Number	544WGY
Molecular Weight	365.40
Molecular Formula	$C_{16}H_{17}N_3O_4S \cdot H_2O$
Storage Temp.	+4°C



Property	Specification	Batch 544WGY
Physical Description	White to off-white crystalline powder	Off-white crystalline powder
Identification	A, B according to USP	Conforms
pH (5% in water)	3.0 - 5.5	5.0
Specific Optical Rotation ($[\alpha]_{20/D}$)	+149 - +158 ° (c=0.5, pH 4.4, phthalate buffer)	+155°
Any Individual Impurity (HPLC)	≤ 1.0%	0.1%
Total Impurities (HPLC)	≤ 5.0%	0.2%
Water	4.0 - 8.0 %	5.9%
N,N-Dimethylaniline	To pass test	Conforms
Crystallinity	Meets the requirements	Conforms
Assay	950 - 1030 µg/mg (C ₁₆ H ₁₇ N ₃ O ₄ S, anhydrous basis)	1000µg/mg
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version	v1.1
Manufacture Date	2023-02-11
Re-Test Date	2030-03-17

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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