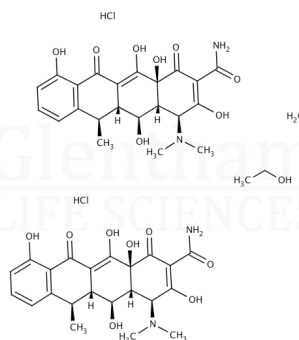


Certificate of Analysis

Product Name	Doxycycline hyclate
Glentham Code	GA1726
CAS Number	24390-14-5
MDL Number	MFCD07357237
Additional CAS	10592-13-9 (· HCl)
Additional CAS	564-25-0
PubChem SID	310272426
Batch Number	318FND
Molecular Weight	512.94
Molecular Formula	$C_{22}H_{24}N_2O_8 \cdot HCl \cdot 0.5H_2O \cdot 0.5C_2H_6O$
Storage Temp.	+4°C



Property	Specification	Batch 318FND
Physical Description	Yellow, crystalline powder, hygroscopic	Yellow, crystalline powder, hygroscopic
Identification	A, B, C according to EP	Conforms
pH (1% solution)	2.0 - 3.0	2.5
Light-Absorbing Impurities	≤ 0.07 (at 490nm)	0.01
Related Substances	Impurity A: ≤ 2.0%	Conforms
	Impurity B: ≤ 0.5%	Conforms
	Impurity C: ≤ 0.2%	Conforms
	Impurity F: ≤ 1.2%	Conforms
	Any unspecified impurities: ≤ 0.1%	Conforms
	Total impurities ≤ 3.0%	1.7
Ethanol	4.3 - 6.0 %	4.6%
Water	1.4 - 2.8 %	2.1%
Sulphated Ash	≤ 0.4%	Conforms
Assay	95.0 - 102.0 % (C ₂₂ H ₂₅ ClN ₂ O ₈ , anhydrous and ethanol free basis)	98.8%
Pharmacopoeia Specification(s)	EP	Conforms

Specification Version	v1.2
Manufacture Date	2024-06-27
Re-Test Date	2030-08-01

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 or contact us using the details above for the current version of this document.

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