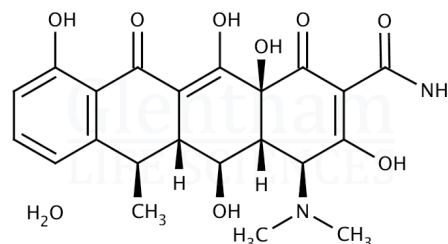


Certificate of Analysis

Product Name	Doxycycline monohydrate, USP grade
Glentham Code	GA4925
CAS Number	17086-28-1
MDL Number	MFCD02682958
Additional CAS	564-25-0 (anhydrous)
Additional CAS	10592-13-9 (\cdot HCl)
PubChem SID	310272427
Batch Number	758SMG



Molecular Weight	462.46
Molecular Formula	$C_{22}H_{24}N_2O_8 \cdot H_2O$
Storage Temp.	-20°C

Property	Specification	Batch 758SMG
Physical Description	Yellow crystalline powder	Yellow crystalline powder
Identification	To pass test	Conforms
pH (1% solution)	5.0 - 6.5	6.38
Water	3.6 - 4.6 %	4.13%
Organic Impurities	Methacycline: \leq 2.0%	0.1
	6-Epidoxycycline: \leq 2.0%	0.7
	Any Other Impurity: \leq 0.5%	0.25
Potency	880 - 980 μ g/mg (of $C_{22}H_{24}N_2O_8$)	920 μ g/mg
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version	v1.0
Manufacture Date	2024-06-22
Re-Test Date	2031-10-04

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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