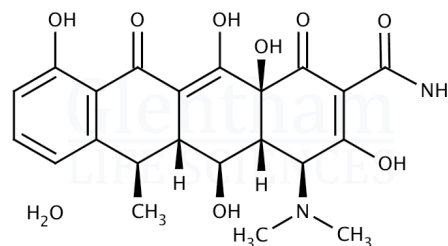


Certificate of Analysis

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 $\mu\text{g}/\text{mg}$ (of $C_{22}H_{24}N_2O_8$)	920 $\mu\text{g}/\text{mg}$
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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