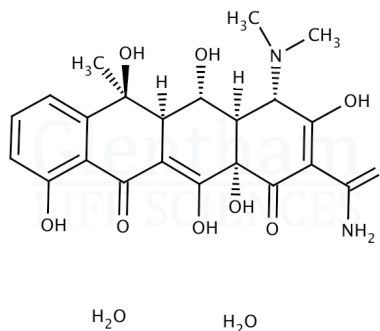


Certificate of Analysis

Product Name Oxytetracycline dihydrate
Glentham Code GA7172
CAS Number 6153-64-6
EINECS 201-212-8
MDL Number MFCD00151234
Additional CAS 79-57-2 (anhydrous)
PubChem SID 310278451
Batch Number 498ZDN

Molecular Weight 496.46
Molecular Formula $C_{22}H_{24}N_2O_9 \cdot 2H_2O$
Storage Temp. +20°C



Property	Specification	Batch 498ZDN
Physical Description	Yellow crystalline powder	Conforms
Identification	TLC	Conforms
pH (1% in water)	4.5 - 7.5	5.6
Specific Optical Rotation	-203 - -216 °	-209°
Absorbance	353nm: 290 - 310	299.8
	430nm: ≤ 0.25	0.14
	490nm: ≤ 0.20	0.12
Related Substances	4-epioxytetracycline: ≤ 0.5%	Conforms
	2-Acetyl-2-decarbamoyloxytetracycline: ≤ 2.0%	Conforms
	Tetracycline: ≤ 2.0%	Conforms
Heavy Metals	≤ 50ppm	Conforms
Water	6.0 - 9.0 %	7.4%
Sulphated Ash	≤ 0.5%	0.07%
Assay	95.0 - 102.0 % (anhydrous basis)	96.6%
Pharmacopoeia Specification(s)	BP	Conforms to BP

Specification Version v1.0
Manufacture Date 2014-10-20
Re-Test Date 2027-01-08

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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