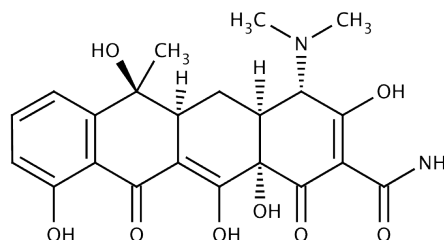


Product Specification

Product Name	Tetracycline, EP grade
Glentham Code	GA0548
CAS Number	60-54-8
EINECS	200-481-9
MDL Number	MFCD00151232
Additional CAS	6416-04-2 (3H ₂ O)
PubChem SID	310280700
Molecular Weight	444.43
Molecular Formula	C ₂₂ H ₂₄ N ₂ O ₈
Storage Temp.	+4°C



Property	Specification
Physical Description	Yellow crystalline powder
Identification	According to EP
Assay	88.0 - 102.0 % (dried basis)
pH	3.5 - 6.0 (0.1g/10ml in water)
Related Substances	4-Epitetracycline: ≤ 5.0%
	2-Acetyl-2-decarbamoylepianhydrotetracycline: ≤ 2.0%
	Anhydrotetracycline: ≤ 1.0%
	4-Epianhydrotetracycline: ≤ 0.5%
Specific Optical Rotation	-260 - -280 °
Heavy Metals	≤ 50ppm
Loss on Drying	≤ 13.0%
Sulphated Ash	≤ 0.5%
Pharmacopoeia Specification(s)	EP

Specification Version	-	v1.0
Date Created	-	2013-11-22

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2021