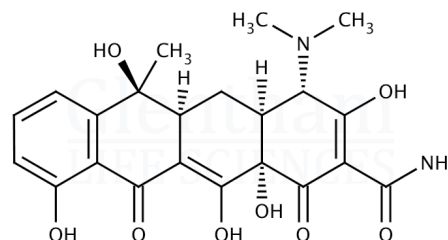


## Certificate of Analysis

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<sub>2</sub>O)  
PubChem SID 310280700  
Batch Number 079NBM

Molecular Weight 444.43  
Molecular Formula C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>O<sub>8</sub>  
Storage Temp. +4°C



Property	Specification	Batch 079NBM
Physical Description	Yellow crystalline powder	Yellow crystalline powder
Identification	According to EP	Conforms
Assay	88.0 - 102.0 % (dried basis)	96.3%
pH	3.5 - 6.0 (0.1g/10ml in water)	5.4
Related Substances	4-Epitetracycline: ≤ 5.0%	1.91%
	2-Acetyl-2-decarbamoylepianhydratetracycline: ≤ 2.0%	0.86%
	Anhydrotetracycline: ≤ 1.0%	0.33%
	4-Epianhydratetracycline: ≤ 0.5%	0.15%
Specific Optical Rotation	-260 - -280 °	-271°
Heavy Metals	≤ 50ppm	Conforms
Loss on Drying	≤ 13.0%	4.9%
Sulphated Ash	≤ 0.5%	0.18%
Pharmacopoeia Specification(s)	EP	Conforms

Specification Version v1.0  
Manufacture Date 2019-12-29  
Re-Test Date 2027-04-08

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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