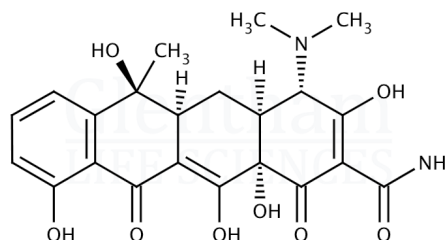


## Certificate of Analysis

Product Name Tetracycline, EP grade  
Glentham Code GA0548  
CAS Number 60-54-8  
EINECS 200-481-9  
MDL-Nummer MFCD00151232  
Zusätzliche 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                             | Entspricht                |
| 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-decarbamoyletetracycline: ≤ 2.0% | 0.86%                     |
|                                | Anhydrotetracycline: ≤ 1.0%                 | 0.33%                     |
|                                | 4-Epianhydrotetracycline: ≤ 0.5%            | 0.15%                     |
| Specific Optical Rotation      | -260 - -280 °                               | -271°                     |
| Heavy Metals                   | ≤ 50ppm                                     | Entspricht                |
| Loss on Drying                 | ≤ 13.0%                                     | 4.9%                      |
| Sulphated Ash                  | ≤ 0.5%                                      | 0.18%                     |
| Pharmacopoeia Specification(s) | EP                                          | Entspricht                |

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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