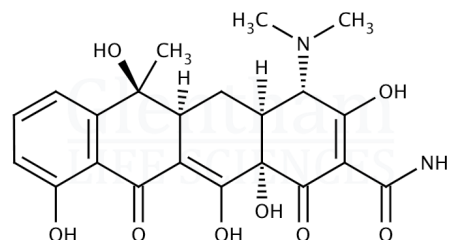


Product Specification

| | |
|-------------------|---|
| 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-decarbamoyletetracycline: ≤ 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.

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