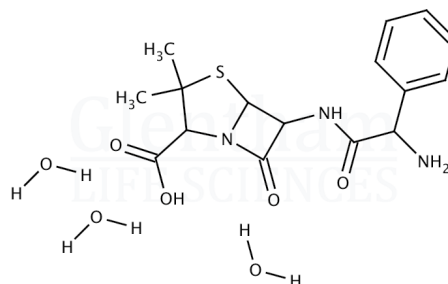


Product Specification

| | |
|-------------------|---------------------------------------|
| Product Name | Ampicillin trihydrate, Ph. Eur. grade |
| Glentham Code | GA0211 |
| CAS Number | 7177-48-2 |
| EINECS | 200-709-7 |
| MDL Number | MFCD00072036 |
| Additional CAS | 69-53-4 (anhydrous) |
| Molecular Weight | 403.45 |
| Molecular Formula | $C_{16}H_{19}N_3O_4S \cdot 3H_2O$ |
| Storage Temp. | +4°C |



| Property | Specification |
|--------------------------------|---|
| Physical Description | White or almost white crystalline powder |
| Identification (IR) | To conform to standard |
| Identification (TLC) | To pass test |
| Identification | To pass test C |
| Appearance of Solution | 1g + 10ml 1M HCl: colour ≤ Ref. Sus. II 1g + 10ml: 2M NH4OH: colour ≤ Ref. Sus. II |
| pH (0.25% in water) | 3.5 - 5.5 |
| Specific Optical Rotation | +280 - +305 ° (62.5mg in 25ml water, anhy.) |
| Related Substances (HPLC) | ≤ 1.0% (any impurity) |
| Water | 12.0 - 15.0 % |
| Sulphated Ash | ≤ 0.5% |
| Assay (HPLC) | 96.0 - 102.0 % (anhydrous basis) |
| Pharmacopoeia Specification(s) | Ph. Eur. |

| | | |
|-----------------------|---|------------|
| Specification Version | - | v1.0 |
| Date Created | - | 2020-03-10 |

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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