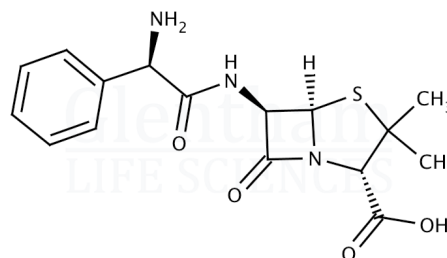


Product Specification

| | |
|----------------|---|
| Product Name | Ampicillin, anhydrous, EP grade |
| Glentham Code | GA5836 |
| CAS Number | 69-53-4 |
| EINECS | 200-709-7 |
| MDL Number | MFCD00005175 |
| PubChem SID | 310266814 |
| Additional CAS | 69-52-3 (Na salt) |
| Additional CAS | 7177-48-2 ($\cdot 3\text{H}_2\text{O}$) |

| | |
|-------------------|--|
| Molecular Weight | 349.40 |
| Molecular Formula | $\text{C}_{16}\text{H}_{19}\text{N}_3\text{O}_4\text{S}$ |
| Storage Temp. | +20°C |



| Property | Specification |
|--------------------------------|---|
| Physical Description | White or almost white crystalline powder |
| Identification (IR) | To conform to standard |
| Identification | To pass tests B, C, D |
| Appearance of Solution | 10% in 2N NH_4OH : To pass test |
| Appearance of Solution | 10% in 1N HCl : To pass test |
| pH (0.25% in water) | 3.5 - 5.5 |
| Specific Optical Rotation | +280 - +305 ° (anhydrous basis) |
| Any Individual Impurity | $\leq 1.0\%$ |
| N,N-Dimethylaniline | $\leq 20\text{ppm}$ |
| Sulphated Ash | $\leq 0.5\%$ |
| Water | $\leq 2.0\%$ |
| Assay | 96.0 - 102.0 % (anhydrous basis) |
| Pharmacopoeia Specification(s) | EP grade |

| | | |
|-----------------------|---|------------|
| Specification Version | - | v1.1 |
| Date Created | - | 2022-08-18 |

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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