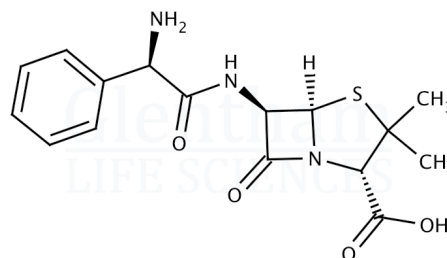


## Product Specification

|                |                                 |
|----------------|---------------------------------|
| 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 ( $\cdot 3H_2O$ )     |

|                   |                       |
|-------------------|-----------------------|
| Molecular Weight  | 349.40                |
| Molecular Formula | $C_{16}H_{19}N_3O_4S$ |
| 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            | $\leq 20ppm$                             |
| 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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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