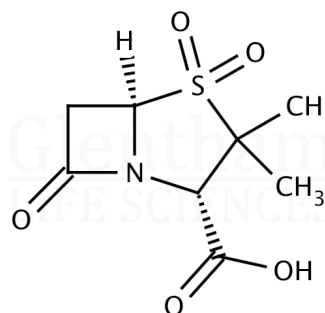


## Certificate of Analysis

|                   |                  |
|-------------------|------------------|
| Product Name      | Sulbactam        |
| Glentham Code     | GP5265           |
| CAS Number        | 68373-14-8       |
| EINECS            | 269-878-2        |
| MDL Number        | MFCD00867005     |
| PubChem SID       | 310280362        |
| Batch Number      | 223TJR           |
| Molecular Weight  | 233.24           |
| Molecular Formula | $C_8H_{11}NO_5S$ |
| Storage Temp.     | +4°C             |



| Property                 | Specification                         | Batch 223TJR                 |
|--------------------------|---------------------------------------|------------------------------|
| Physical Description     | White to off-white crystalline powder | Off-white crystalline powder |
| Solubility (1% in water) | Clear, colourless solution            | Clear, colourless solution   |
| Melting Point            | $\geq 140^{\circ}\text{C}$            | 141.4°C                      |
| Loss on Drying           | $\leq 1.0\%$                          | 0.6%                         |
| Assay                    | 98.0 - 102.0 % (dried basis)          | 99.8%                        |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2022-08-15 |
| Re-Test Date          | 2032-09-08 |

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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