



## Product Specification

**Product Name:** Ticarcillin disodium salt  
**Cat #:** T-380  
**CAS #:** 4697-14-7  
**Storage:** Store at 4°C.

| Test                                                                                         | Specifications                    |
|----------------------------------------------------------------------------------------------|-----------------------------------|
| Color                                                                                        | white to light yellow             |
| Form                                                                                         | crystalline powder                |
| Color of Solution<br>(5% in water)                                                           | colorless to slightly yellow      |
| Turbidity<br>(0.5% in water)                                                                 | ≤4.0 NTU                          |
| Water Content (K. Fischer)                                                                   | ≤9.5%                             |
| Specific Optical Rotation [α] <sub>D</sub><br>(c=1 in water, 20°C; calculated on dry matter) | 172.0 to 187.0                    |
| pH<br>(c=1 in water)                                                                         | 5.5 - 7.5                         |
| Purity (HPLC)                                                                                | ≥87.0 area-%                      |
| UV/Vis (maximum absorption wavelength)<br>(in methanolic hydrochloride solution)             | 231.0 to 237.0 nm                 |
| FT-IR Spectrum                                                                               | corresponds to reference spectrum |

GOLD BIOTECHNOLOGY, INC. provides this Product Specification in good faith. Specifications are subject to change.

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