

Certificate of Analysis

Product Name: Amoxicillin Sodium Salt
Cat #: A-551
CAS #: 34642-77-8
Lot #: Lot Specific
Retest Date: Lot Specific
Storage:[†] Store at 4°C.

| Test | Specs | Results |
|-------------------------|-----------------------|--------------------|
| Color | white or almost white | white |
| Form | crystalline powder | crystalline powder |
| Identification (IR) | conforms | conforms |
| pH | 8.0-10.0 | 9.0 |
| Specific Rotation | +240° - +290° | +249° |
| Related Substances | | |
| - Amoxicillin dimer | NMT 3.0% | 0.55% |
| - Any impurity | NMT 3.0% | 0.21% |
| - Sum of impurities | NMT 9.0% | 1.27% |
| - 2-Ethyl hexanoic acid | NMT 1.0% | 0.59% |
| Residual Solvents | | |
| - Ethanol | NMT 0.5% | 0.32% |
| - Methyl acetate | NMT 0.5% | 0.15% |
| Water | NMT 3.0% | 1.1% |
| Bacterial Endotoxin | NMT 0.25 EU/mg | Conforms |
| Assay (on Dried Basis) | >80.0% | 89.0% |

* Gold Biotechnology, Inc. provides this Certificate of Analysis in good faith and to the best of its knowledge. It should not be substituted for the user's own raw material quality control. This material is for laboratory use only.

† Storage at listed temperature applies to retest date (if shown) or two years from purchase date. Check label for long term storage conditions, which may extend the product beyond the retest date and/or greater than two years from purchase.

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