

## Certificate of Quality

**Product Name:** Carbenicillin, Disodium Salt

Semi-synthetic antibiotic used for gene expression research utilizing carbenicillin-resistant plasmids. Soluble in water, 50 mg/ml.

Product Code: A2311 CAS #: 4800-94-6  
Grade: Ultra Pure Formula: C<sub>17</sub>H<sub>16</sub>N<sub>2</sub>O<sub>6</sub>Na<sub>2</sub>  
Appearance: White to off-white lyophilized powder MW: 422.36  
Reassay Date: 2 years after shipping date Lot#: See product label  
Storage: 4°C. Protect from moisture. Allow to come to room temperature before opening.

TEST	SPECIFICATION	RESULT
Potency (Dried Basis)	≥ 800 µg/mg	Passes
Water	≤ 6%	Passes
pH	6-7.5	Passes
Assay (Dried Basis)	≥ 92%	Passes
Solubility (50 mg/mL, H <sub>2</sub> O)	Passes	Passes
Iodine Absorbing Substances	≤ 8%	Passes
Benzylpenicillin Sodium	≤ 5%	Passes
Pyrogens	≤ 80 mg/Kg	Passes

Data Verified by M. He. Verification Date: 2020-01-06

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