

## Certificate of Analysis

**PRODUCT:** **Carbenicillin Disodium Salt**  
 [ $\alpha$ -Carboxybenzylpenicillin disodium salt; Anabactyl, BRL-2064; Carbecin; Carboxybenzylpenicillin Sodium; CP-15-639-2; Fugacillin; Geopen]  
 $C_{17}H_{16}N_2Na_2O_6S$ , M.W. 422.36, CAS# [4800-94-6]

**PRODUCT NUMBER:** C-1385

**LOT NUMBER:** F1276D

**APPEARANCE:** White to off-white powder

|   | <u>SPECIFICATIONS:</u>                   | <u>RESULTS:</u>                    |
|---|--|------------------------------------|
| <b>IDENTIFICATION:</b>                      | Positive                                 | Conforms                           |
| <b>ASSAY:</b>                               | $\geq 92.0\%$                            | 98.40%                             |
| <b>POTENCY (on dried basis):</b>            | $\geq 800 \mu\text{g}/\text{mg}$         | 849 $\mu\text{g}/\text{mg}$        |
| <b>WATER:</b>                               | $\leq 6.0\%$                             | 3.7%                               |
| <b>pH:</b>                                  | 6.0 – 7.5                                | 6.8                                |
| <b>SOLUBILITY (50mg/mL H<sub>2</sub>O):</b> | Clear and slightly yellow solution       | Clear and slightly yellow solution |
| <b>IODINE ABSORBING SUBSTANCES:</b>         | $\leq 8.0\%$                             | $\leq 8.0\%$                       |
| <b>BENZYL PENICILLIN SODIUM:</b>            | $\leq 5.0\%$                             | 0.27                               |
| <b>PYROGENS:</b>                            | $\leq 80\text{mg}/\text{Kg}$             | $\leq 80\text{mg}/\text{kg}$       |
| <b>COUNTRY of ORIGIN:</b>                   | China                                    |                                    |
| <b>STORAGE &amp; HANDLING:</b>              | Store at +4°C. Packaged under inert gas. |                                    |

**HYGROSCOPIC! *WARNING: HARMFUL!***

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: EV