

## 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:** H1271H  
**APPEARANCE:** White to off-white powder  
**SOLUBILITY (50mg/mL H<sub>2</sub>O):** Clear and slightly yellow solution

	<u>SPECIFICATIONS:</u>	<u>RESULTS:</u>
<b>IDENTIFICATION:</b>	Positive	Conforms
<b>ASSAY (on dried basis):</b>	$\geq 88.0\%$	94.0%
<b>POTENCY (on dried basis):</b>	$\geq 770 \mu\text{g}/\text{mg}$	842 $\mu\text{g}/\text{mg}$
<b>WATER:</b>	$\leq 6.0\%$	2.2%
<b>CHROMATOGRAPHY PURITY(HPLC):</b>	$\geq 92.0$	98.0%
<b>pH:</b>	6.5 – 8.0	6.6
<b>IODINE ABSORBING SUBSTANCES:</b>	$\leq 8.0\%$	Conforms
<b>BENZYL PENICILLIN SODIUM:</b>	$\leq 5.0\%$	0.38%
<b>PYROGENS:</b>	$\leq 80\text{mg}/\text{Kg}$	Conforms
<b>COUNTRY of ORIGIN:</b>	China	

**STORAGE & HANDLING:** 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