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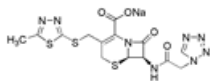
Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications



Catalogue Number 14325

Product **Cefazolin Sodium**

Cefamedin

CAS Number 27164-46-1

Molecular Formula C₁₄H₁₃N₈NaO₄S₃

Molecular Weight 476.49

Appearance White to off-white crystalline powder or off-white solid

Water Content (Karl Fisher) ≤ 6%

pH 4 - 6

Optical Rotation [α]²⁰_D = -10 to -24 ° (55 mg/mL in 0.1 M sodium bicarbonate)

Bacterial Endotoxins ≤ 0.15 EU/mg

Related Substances
Cefazolin pivaloyl : ≤ 1%
Any individual unspecified impurity : ≤ 0.1%
Total impurities : ≤ 3.5%

Assay (anhydrous basis) 89.1 - 110.1%

Grade Meets USP specification

Storage Store at 0 - 8 °C

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Additional Information	Identification : A. Infrared absorption : To pass test B. The retention time of the major peak for cefazolin in the Sample solution corresponds to that of the Standard solution, as obtained in the Assay. C. Identification test for Sodium : Meets the requirements Sterility test : Meets the requirements Organic impurities - Tetrazolylacetic acid : $\leq 1\%$ Tetrazolylacetamide acetal : $\leq 1\%$ Cefazolin open-ring lactone or Cefazolin 3-hydroxymethyl : $\leq 0.5\%$ Methylthiadiazole thiol : $\leq 1\%$ 7-Aminocephalosporanic acid : $\leq 1\%$ Cefazolin 3-methyl analog : $\leq 1\%$ Cefazolin lactone : $\leq 1\%$ Cefazolin acetoxy analog : $\leq 1\%$ Cefazolin deacylated : $\leq 1\%$ Cefazoloic acid isomers : $\leq 1\%$ Cefazolin epimer : $\leq 1\%$
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