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Certificate of Analysis

Catalogue Number	14325
Lot Number	001204-2292101034
Product	Cefazolin Sodium Cefamedin
CAS Number	27164-46-1
Molecular Formula	C ₁₄ H ₁₃ N ₈ NaO ₄ S ₃
Molecular Weight	476.49

Appearance	White to off-white crystalline powder or off-white solid
Odor	Odorless
Water Content (Karl Fisher)	0.4%
pH	5.2
Optical Rotation	[α] _D ²⁰ = -19 °
Infrared Spectrum	Conforms to structure
Assay (anhydrous basis)	97.1%
Grade	USP Grade
Storage	Store at 0 - 8 °C
Additional Information	Sodium test : Passes Related substances Tetrazolylacetic acid : 0% , Tetrazolylacetamide acetal : 0.2% , Cefazolin open-ring lactone or Cefazolin : 0.1% , Methylthiadiazole thiol : 0.3% , 7-Aminocephalosporanic acid : Not detected, Cefazolin 3-methyl analog : Not detected , Cefazolin lactone : 0.1% Cefazolin acetoxy analog : Not detected Cefazolin deacylated : 0.0% Cefazoloic acid isomers : 0.1% Cefazolin epimer : Not detected Cefazolin pivaloyl : 0.0% Any individual unspecified impurity : 0.1% Total impurities : 1.2%

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager