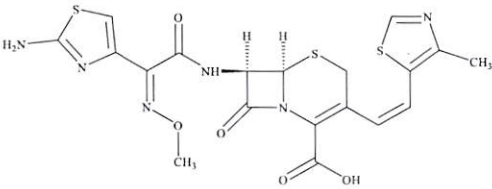


Certificate of Analysis



Certificate No.: 20240409505-3

Date: April 9, 2024

Retest date: April 4, 2027

Compound Name:	Cefditoren		
Synonyms:	(6R,7R)-7-((Z)-2-(2-aminothiazol-4-yl)-2-(methoxyimino)acetamido)-3-((Z)-2-(4-methylthiazol-5-yl)vinyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid		
TLC Catalogue Number:	C-7612		
CAS Number:	104145-95-1		
Alternate CAS Number:	104146-53-4 (Sodium salt)		
Molecular Weight:	506.57		
Molecular Formula:	C ₁₉ H ₁₈ N ₆ O ₅ S ₃		
Source:	TLC Pharmaceutical Standards		
Source Lot No.:	4856-062A2		
Storage Conditions:	Hygroscopic, store at -20 °C		
Solubility:	Methanol, DMSO, solution of Acetonitrile and Water		

Test Description	Specifications	Results
Visual Description	Pale yellow solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Elemental Analysis	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	98.6%
Impurity (HPLC)	RT 11.42, 0.27%; RT 11.89, 0.32%; RT 19.94, 0.39%	
Water Content (KF)	N/A	1.7%
Optical Rotation	N/A	$[\alpha]_D^{25.0}$ (c=0.34, DMSO): -33.6°
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 85.0%	96.9%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		08/20/2025
Approved by:	Quality Assurance		08/20/2025

Attachments: Peak Attribution Table, HPLC, IR, MS and NMR spectra.