

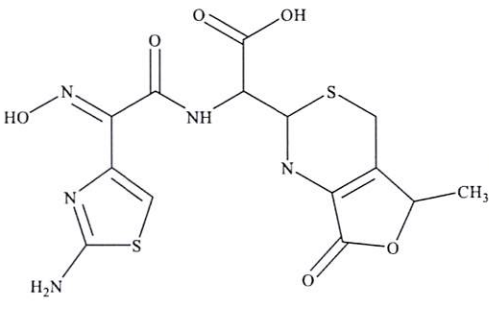


Certificate of Analysis



Certificate No.: 20250619011

Date: June 19, 2025

Retest date: June 13, 2028

Compound Name:	Cefdinir Impurity 24 (Mixture of Diastereomers)	
Synonyms:	<i>(E)</i> -2-(2-(2-aminothiazol-4-yl)-2-(hydroxyimino)acetamido)-2-(5-methyl-7-oxo-1,2,5,7-tetrahydro-4 <i>H</i> -furo[3,4- <i>d</i>][1,3]thiazin-2-yl)acetic acid	
TLC Catalogue Number:	C-1122	
CAS Number:	N/A	
Alternate CAS Number:	N/A	
Molecular Weight:	413.42	
Molecular Formula:	C ₁₄ H ₁₅ N ₅ O ₆ S ₂	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	6926-005A4	
Storage Conditions:	Store at 2-8 °C	
Solubility:	DMSO, Alkaline solution	

Test Description	Specifications	Results
Visual Description	Off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	96.7%
Impurity (HPLC)	RT 13.19, 0.25%; RT 14.05, 0.53%; RT 15.05, 0.18%	
Residual Solvents (NMR)	0.3% formic acid, 0.4% dimethyl sulfoxide and 0.5% acetonitrile	
Assay (qNMR)	Not less than 80.0%	81.4%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/19/2025
Approved by:	Quality Assurance		06/19/2025

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