Certificate Of Analysis

Analysis Date: 19-06-2025 **Re-test Date:** 19-06-2028

CEFTIZOXIME IMPURITY 5

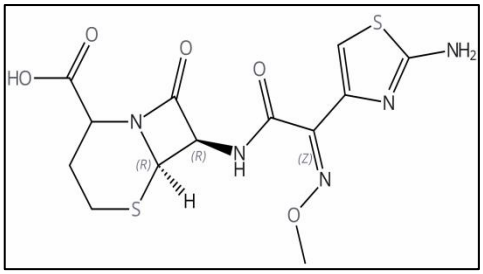
Identification

Chemical Name : (6R,7R)-7-((Z)-2-(2-aminothiazol-4-yl)-2-(methoxyimino)acetamido)-8-oxo-5-thia-1-azabicyclo[4.2.0]octane-2-carboxylic acid

CAT No : ALL-CEF-1893

CAS No : 929101-89-3

Molecular Formula : C13H15N5O5S2



Molecular Weight : 385.4

Analytical Information

Batch Code	: ALL-CEF-1893	**HPLC Purity**	: 98.09%
Solubility	: METHANOL	**Potency**	: 96.72%
Appearance of Product	: Off White Solid	**Mass**	: Confirm
Long Term Storage	: 2-8^0 C	**IR Analysis**	: Confirm
Weight Loss By TGA	: 0.744%	**1HNMR**	: Confirm
Residue Of Ignition	: 0.664%		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =

[100 – (0.744+0.664) × 98.09]/100 = 96.72%

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr.Vipul Khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, 1H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office

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