Certificate Of Analysis

Analysis Date: 28-03-2025 **Re-test Date:** 28-03-2028

CEFALOTIN IMPURITY 1

Identification

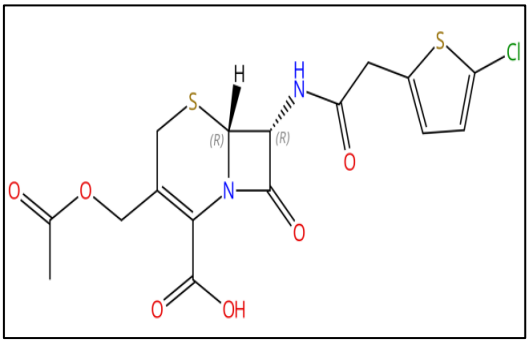
Chemical Name : (6R,7R)-3-(Acetoxymethyl)-7-(2-(5-chlorothiophen-2-yl)acetamido)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid

CAT No : ALL-CEF-8812

CAS No : 93808-81-2

Molecular Formula : C16H15ClN2O6S2

Molecular Weight : 430.9



Analytical Information

Batch Code	: ALL-CEF-8812	**HPLC Purity**	: 98.06%
Solubility	: METHANOL	**Potency**	: 96.21%
Appearance of Product	: Off White Solid	**Mass**	: Confirm
Long Term Storage	: 2-8^{0}C	**IR Analysis**	: Confirm
Weight Loss By TGA	: 0.631%	**1HNMR**	: Confirm
Residue Of Ignition	: 1.248%		

Additional Information

%Potency = [100 -(Inorganic Impurities % + Water %) × Chromatographic Purity%]/100 =

[100 – (0.631+ 1.248× 98.06]/100= 96.21%

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Swapnil Kausatkar 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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