Certificate Of Analysis

Analysis Date: 08-05-2025 **Re-test Date:** 08-05-2028

CEFRADINE EP IMPURITY G

Identification

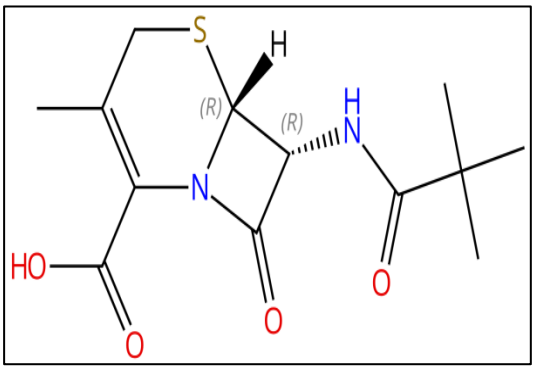
Chemical Name : (6R,7R)-7-[(2,2-dimethylpropanoyl)amino]-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid (as per EP)

CAT No : ALL-CEF-4709

CAS No : 146794-70-9

Molecular Formula : C13H18N2O4S

Molecular Weight : 298.4



Analytical Information

Batch Code	: ALL-CEF-4709	**HPLC Purity**	: 98.07%
Solubility	: MeOH: ACN	**Potency**	: 96.70%
Appearance of Product	: Off White Solid	**Mass**	: Confirm
Long Term Storage	: 2-8 ^{0}C	**IR Analysis**	: Confirm
Weight Content By TGA	: 0.649%	**1HNMR**	: Confirm
Residue Of Ignition	: 0.743%		

Additional Information

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

[100 – (0.649+0.743) × 98.07]/100 = 96.70%

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadse 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

Allmpus Laboratories Pvt Ltd 38, Solitaire Industrial Estate, Plot No.TS-1, Near Nandi Palace Hotel, MIDC-Phase 1, Dombivli (E),Mumbai, Maharashtra 421203