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CERTIFICATE OF ANALYSIS

Analysis Date: May 2026

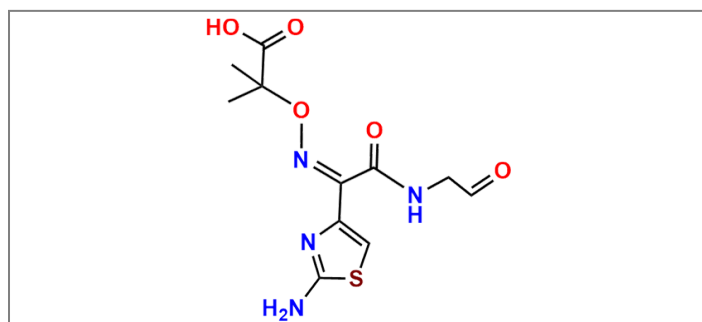
Re-test Date: Apr 2028

Product Name: Ceftazidime EP Impurity G

Identification:

Chemical Name: 2-[[[(1Z)-1-(2-Aminothiazol-4-yl)-2-[(oxoethyl)amino]-2-oxoethylidene]amino]oxy]-2-methylpropanoic acid (as per EP)

Synonyms : NA
CAS Number : 194241-83-3
CAT Number : CP-C12007
Molecular Formula : C₁₁H₁₄N₄O₅S
Molecular Weight : 314.32
Batch Number : CP-CEF-G-0426
Storage Condition : Tightly closed, Inert atmosphere at -20° C
Shipping condition : At low temperature with dry ice and ice pack gel



Analytical Information:

Sr. No.	Test	Result
1)	Description	Pale Yellow Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	95.82%
5)	¹ H NMR	Confirm to structure
6)	¹³ C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	8.593%
9)	Potency by TGA	87.59%



Prepared and Reviewed By



Mr. Shubham Bondre
(Quality Control)

Approved By



Mr. Abhijit Kale
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.