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## CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2025

Re-test Date: Mar 2028

**Product Name: Famotidine EP Impurity H**

### Identification:

Chemical Name: [2-[(Diaminomethylidene)amino]thiazol-4-yl]methyl carbamimidothioate dihydrochloride

Synonyms : Famotidine Isothiourea Impurity

CAS Number : 88046-01-9

CAT Number : CP-F9008

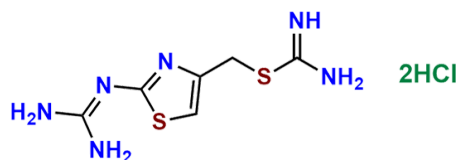
Molecular Formula : C<sub>6</sub>H<sub>10</sub>N<sub>6</sub>S<sub>2</sub> : 2(HCl)

Molecular Weight : 230.3 : 2(36.5)

Batch Number : CP-FAM-H-0425

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.23 %
5)	<sup>1</sup> H NMR	Confirm to structure
6)	<sup>13</sup> C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	3.357 %
9)	Potency by TGA	95.90 %



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**



Ms Rohini Gagare  
(Quality Assurance)

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