

CERTIFICATE OF ANALYSIS

PRODUCT NAME : THIAMINE HYDROCHLORIDE FOR BIOCHEMISTRY (VITAMIN B₁)

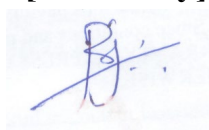
CAS No. : 67-03-8
Mol. Formula : C₁₂H₁₇N₄OSCl.HCl
Mol. WT : 337.27
Date of analysis : 28/04/25

Product code : 19400
Batch No. : MCR-33851
Mfd. : April 2025
Exp. : March 2030

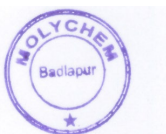
S.R	Test	Specification	Observation
1	Description	White or almost white, crystalline powder or powder or small colourless crystals, odour, slight and characteristic.	White powder.
2	Identification	B) Gives blue fluorescence C) Gives reaction of chlorides	Complies
3	pH (2.5% w/v aq. solution)	2.7 - 3.3	2.95
4	Related substance : Impurity A Impurity B Impurity C Any unspecified impurities Total impurity	NMT 0.15% NMT 0.3% NMT 0.15% NMT 0.1% NMT 0.5%	< 0.15% < 0.3% < 0.15% < 0.1% < 0.5%
5	Heavy metals	NMT 20 ppm	< 20 ppm
6	Nitrates	No brown ring is produced.	Complies
7	Sulphates	NMT 300 ppm	< 300 ppm
8	Sulphated Ash	NMT 0.1%	0.03%
9	Loss on Drying (at 105⁰C)	NMT 5.0%	4.82%
10	Assay (calculated with reference to the dried substance)	NLT 98.5 % & NMT 101.5%	99.80%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



CHEMIST
(Pratiksha. S)



[QC Incharge]



HEAD-QUALITY ASSURANCE
(G.G.Salian)

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