

ASES CHEMICAL WORKS

Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India

Ph: +91-9636889954

Email : ecom@ases.in Website : www.ases.in



CERTIFICATE OF ANALYSIS

1. Name of the Product	Vitamin B-1 (Thiamine Hydrochloride)
2. Synonyms	Thiamine Hcl
3. CAS Number	59-43-8
4. Formula	C ₁₂ H ₁₇ ClN ₄ OS
5. Batch No & Mfg. Date	As mentioned on Label
6. Date Of Exp	3 Years From MFG Date
7. Date of Analysis	June-2024

Test	Item Specification	Result
Appearance	A white or almost white crystalline powder	White crystalline powder
Identification	(A) Consistent with the reference IR spectra	Complies
	(C) The principal peak corresponds to that with the reference in the test for related substances	Complies
	(D) should be positive reaction	Positive reaction
PH	2.4-3.0	2.7
Appearance of solution	clear, not more intense than Y7	Complies
Heavy metals	NMT 20ppm	<20ppm
Loss on drying	NMT 0.5%	0.1%
Sulfated ash	NMT 0.1%	0.04%
Chloride content	16.9-17.6%	17.2%
Related substances		
Total impurities	NMT0.20%	0.03%
Unspecified impurities	NMT0.10%	0.01%
B impurity	NMT0.t5%	0.01%
Residual solvent		
Ethanol	NMT0.3%	<0.3%
Assay	99.0-107.jYo	99.71%