

CERTIFICATE OF ANALYSIS

Product name: Vitamin B₁

Batch No.: TN21112061

Manufacturing date	Nov 23, 2021	Reporting date	Nov 25, 2021
Retest date	Nov 22, 2025	Article No.	08103
Package	25 kg per drum	Package size	Φ410 × 450 (mm)
Ref. pharmacopoeia(s)	BP2021, USP2021	Quantity	1,000 kg

Test Item	Specification	Result
Appearance	White or almost white, crystalline powder or small, colourless crystals	White crystalline powder
Identification	A: IR absorption; C: Reaction of nitrates	Comply
Appearance of solution	Clear, not more intense than Y,	Comply
pH	6.8 ~ 7.8	7.4
Loss on drying	≤1.0%	0.12%
Sulphated ash	≤0.1%	0.03%
Related substances		
- Impurity A	≤ 0.15%	0.11%
- Impurity B	≤0.6%	Not detected
- Impurity C	≤0.4%	Not detected
- Unspecified impurity	≤0.10%	<0.05%
- Total Impurities	≤1.0%	0.11%
- Disregard limit: 0.05%		
Assay (on dry basis)	98.0% ~ 101.0%	100.0%
Identification	A: Color reaction with ferrous sulfate; B: Precipitate reaction with lead acetate; C: Precipitate reactions with mercuric chloride, iodine, mercuric-potassium iodide and trinitrophenol respectively; D: Fluorescence reaction with potassium ferricyanide.	Comply
pH	6.0 ~ 7.5	7.4
Loss on drying	≤1.0%	0.12%
Residue on ignition	≤0.2%	0.03%
Chloride	≤0.06%	<0.06%
Related compounds		0.21%
Residual solvent - Methanol		0.0018%
Assay (on dry basis)	98.0% ~ 102.0%	99.2%
Conclusion:	This batch complies with the specification of BP2021 and USP2021.	
Remark:	Preserve in a tight non-metallic container, protected from light.	

Reported by: 孙部平

Approved by: 孙部平

Add.: Lianjiang Industrial Zone,
Leping, Jiangxi, 333300, China

Tel: +86-798-6702928
Fax: +86-798-6702928

