



武汉福鑫化工有限公司

Wuhan Fortuna Chemical Co.,Ltd

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### CERTIFICATE OF ANALYSIS

Products Name	CAS NO.	Batch No.
Thiamine nitrate	532-43-4	20240215
Mfg. Date	Exp. Date	Package
Feb.,15,2024	Feb., 14,2026	25kg/ Box/Bag/Drum

ITEMS	SPECIFICATIONS	RESULTS
Appearance	white or almost white crystalline powder	White crystalline powder
Identification	( 1 ) should be positive reaction	( 1 ) positive reaction
	( 2 ) Consistent with the reference IR spectra	(2 ) Consistene with the reference IR spectra
PH	6.8~7.5	7.3
Appearance of solution	clear,not more intense than Y7	clear,not more intense than Y7
Heavy metals	NMT 20ppm	< 20ppm
Chloride	NMT600ppm	< 600ppm
Loss on drying	NMT1.0%	0.21 %
Residue on ignition	NMT0.1%	0.05 %
Residual Solvents		
Methanol	NMT0.3%	<0.3 %
Ethanol	NMT0.5%	<0.5%
Related substances		
Impurity A	NMT0.15%	0.09 %
Hmpurity B	NMT0.6%	0.01 %
Impurity C	NMT0.4%	0.02 %
Any impurity	NMT0.1%	0.03 %
Total impurities	NMT1.0%	0.24 %

Assay	98.0~ 101.0%	99.0 %
Conclusion	This batch complies with the specification of BP2023/USP2023.	

Q.C.: Luo Xiaofeng

Tester: AT02

Re-tester: AT03

