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CERTIFICATE OF ANALYSIS

Product Name: THIAMINE MONONITRATE

Batch No.: Y02202312005

Manufacturing Date: Dec.02,2023

Reporting Date: Dec.20,2023

Expiry Date: Dec.01,2026

Quantity: 1000KGS

Specification:BP2024/USP2024

Test Item	Specification	Result
Appearance	white or almost white crystalline powder or colourless crystals	White crystalline powder
Identification	(1) should be positive reaction	(1) positive reaction
	(2) Consistent with the reference IR spectra	(2) Consistent 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	NMT20ppm	< 20ppm
Chloride	NMT600ppm	< 600ppm
Loss on drying	NMT 1.0%	0.2%
Residue on ignition	NMT0.1%	0.05%
Residual Solvents		
—Methanol	NMT0.3%	< 0.3 %
—Ethanol	NMT0.5%	< 0.5 %
Related substances (Disregard limit 0.05%)		
—Impurity A	NMT0.15%	0.09 %
—Impurity B	NMT0.6%	0.01 %
—Impurity C	NMT0.4%	未检出
—Any impurity	NMT0.1%	0.04 %
—Total impurities	NMT1.0%	0.25 %
Assay	98.0 ~ 101.0%	99.4 %
Conclusion:This batch complies with the specification of BP2024/USP2024		

Report by: CHEN YUANYUAN

Approved by: 王霞迪