

**CERTIFICATE OF ANALYSIS**

No.0599

<b>Product Name</b>	Vitamin B1 Thiamine Mononitrate	<b>Manufacture Date</b>	Mar.27,2025
<b>Batch No.</b>	TM2503088	<b>Analysis Date</b>	Mar.27,2025
<b>Lot Size</b>	1000kg	<b>Period of Validity</b>	3 Years
<b>Executive Standard</b>	USP2024	<b>Order No.</b>	

Analysis Item	Unit	Specification	Test Method	Result
Appearance	----	White or almost white crystals or crystalline powder	Eyeballing	Almost white crystalline powder
Solubility *	----	Sparingly soluble in water; Slightly soluble in alcohol; very slightly soluble in chloroform.	Physical and chemical testing	Conform
Identification *	----	Meet the requirement	IR, Physical and chemical identification	Conform
Assay	%	98.0~102.0 (on the dried basis)	Potentiometric titration	99.5
pH	----	6.0~7.5	pH meter	7.3
Loss on Drying	%	≤1.0	Oven-drying method	0.28
Residue on Ignition *	%	≤0.2	Muffle	0.02
Chloride and Sulfate *	%	≤0.06	Colorimetric method	<0.06
Related Compounds *	%	≤1.0	HPLC	0.63
Residual Solvent (Methanol) *	ppm	≤3000	Gas Chromatographic(GC)	ND

**Conclusion:** This batch of Vitamin B1 Thiamine Mononitrate meets the requirements of USP2024.

**Note:**

1 The items labelled with \* are tested at regular intervals, corresponding data are the test data of the other inspection batch, measured data not for this batch.

2 Assay is analysed based on BP.


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