Brother

江苏兄弟维生素有限公司

JIANGSU BROTHER VITAMINS CO., LTD.

CERTIFICATE OF ANALYSIS

No.0729

Product Name	Thiamine Mononitrate	**Manufacture Date**	May.10,2026
Batch No.	TM2605044	**Analysis Date**	May.11,2026
Lot Size	1000kg	**Period of Validity**	3 Years
Executive Standard	USP2025	**Order No.**	

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	99.4
pH	----	6.0～7.5	pH meter	7.1
Loss on Drying	%	≤1.0	Oven-drying method	0.21
Residue on Ignition *	%	≤0.2	Muffle	0.04
Chloride and Sulfate *	%	≤0.06	Colorimetric method	＜0.06
Related Compounds *	%	≤1.0	HPLC	0.54
Residual Solvent (Methanol)*	ppm	≤3000	GC	ND

Conclusion: This batch of Vitamin B1 Thiamine Mononitrate meets the requirements of USP2025.

Notes:
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.

Quality Manager:

Add: South of Wei er Road, Southern Area Ocean Economic Development Zone, Dafeng District, Yancheng City, Jiangsu Province
Tel：0086-0515-83551603
Fax：0086-0515-83551633
http://www.brother.com.cn