

Shughengheng Jiangsu Chemical Company

Certificate of Analysis

Product Name: Thiamine Mononitrate
Batch Number: JCGH6446
Batch Size: 9000 Kg
Packaging Size: 25 Kg
CAS Number: 532-43-4

Manufacturing Date: 2024/05/08
Expiry Date: 2027/05/07
Sample Date: 2024/05/09
Analysis Date: 2024/05/09
Sample Quantity: 100 grams

Testing Item	Standard	Result
Appearance Thiamine Mononitrate	White or almost white, crystalline powder or small, colorless crystals	Complies
Identification Vitamin B1 Mononitrate	A: IR absorption B: Reaction of chlorides	Complies Complies
Appearance of solution Thiamine Mononitrate	Clear, not more intense than Y7	Complies
pH Vitamin B1 Mononitrate	6.8 ~7.6 (BP2012) 6.0 ~7.5 (USP38)	7.2
Loss on Drying	≤ 1.0%	0.17%
Sulphated Ash	≤ 0.1% (BP2012) ≤ 0.2% (USP38)	0.02%
Chloride	≤ 0.06%	< 0.06%
Chromatographic purity	≤ 1.0%	0.27%
Heavey Metal	≤ 20ppm	<20ppm
Residual solvent (Methanol)	≤ 0.3%	Not detected
Any single impurity	≤ 1.0%	0.14%
Total impurities	≤ 1.5%	0.43%
Assay Thiamine Mononitrate	98.0% ~ 101.0% (BP2012) 98.0% ~ 102.0% (USP38)	99.6%



Conclusion: Passed test according to the International Quality standards.
QA manager: TianYong Checker: ChenBingzhu Examiner: ZhangXinxin