



XI'AN BIOF BIO-TECHNOLOGY CO.,LTD

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CERTIFICATE OF ANALYSIS

PRODUCT NAME	Vitamin B3	MANUFACTURING DATE	Octo. 07, 2022
PACKAGE	25KGS PER CARTON	EXPIRY DATE	Octo. 06, 2024
STANDARD	USP41	ANALYSIS DATE	Octo. 10. 2022
BATCH NO.	BF20221007	QUANTITY	10000 KGS

ANALYSIS ITEMS		SPECIFICATIONS		METHODS
ITEMS	BP2018	USP41		
APPEARANCE		WHITE CRYSTALLINE POWDER	WHITE CRYSTALLINE POWDER	Visual
SOLUBILITY		FREE SOLUBLE IN WATER AND IN ETHANOL, SLIGHTLY SOLUBLE IN METHYLENE CHLORIDE	-----	GB14754-2010
IDENTIFICATION	MELTING POINT	128.0°C~131.0°C	128.0°C~131.0°C	GB/T 18632-2010
	IR TEST	THE IR ABSORPTION SPECTRUM IS CONCORDANT WITH THE SPECTRUM OBTAINED WITH NICOTINAMIDE CRS	THE IR ABSORPTION SPECTRUM IS CONCORDANT WITH THE SPECTRUM OF REFERENCE STANDARD	GB14754-2010
	UV TEST	-----	RATIO: A245/A262, BETWEEN 0.63 AND 0.67	
APPEARANCE OF 5%W/V SOLUTION		NOT MORE INTENSELY COLOURED THAN REFERENCE SOLUTION BY 7	-----	GB14754-2010
PH OF 5% W/V SOLUTION		6.0~7.5	-----	GB14754-2010
LOSS ON DRYING		≤ 0.5%	≤ 0.5%	GB 5009.12-2010
SULPHATED ASH/ RESIDUE ON IGNITION		≤ 0.1%	≤ 0.1%	GB 5009.12-2010
HEAVY METALS		≤ 30 ppm	-----	GB 5009.12-2010
ASSAY		99.0%~101.0%	98.5%~101.5%	GB 5009.12-2010
RELATED SUBSTANCES		TEST AS PER BP2018	-----	GB 5009.12-2010
READILY CARBONIZABLE SUBSTANCES		-----	TEST AS PER USP41	COMPLIES

CONCLUSION	UP TO USP41 AND BP2018 STANDARDS
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NOTE: ASSAY IS ANALYSED BASE ON USP41

ANALYST: JIA YANYANG

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