

中和方源（天津）生物技术有限公司
Zhonghe Fountain(Tianjin)Biotech Ltd.

CERTIFICATE OF ANALYSIS

Trade Name	Cosmate®VH	Product Name	Biotin
Batch Number	VH221220	Batch Size	100KGS
Order Quantity	25KGS	Grade	USP
Manufacturing Date	Dec.20,2022	Expiry Date	Dec.19,2024
TEST ITEMS	STANDARD		RESULT
Appearance	White to white-like crystalline powder		Conforms
Identification	Conforms to USP		Conforms
Assay	97.5~102.0%		99.8%
Loss on drying	≤0.2%		0.06%
Melting range(°C)	229°C~232°C		229.7°C~230.8°C
Specific Rotation	+89.0 °~ +93 °		+90.2 °
Ash	≤0.1%		≤0.07%
Solution color and clarity	Solution is clarity and light color		Conforms
Heavy Metals	≤10mg/kg		< 10mg/kg
Lead	≤2mg/kg		0.06mg/kg
Arsenic	≤1mg/kg		0.10mg/kg
Single impurities	≤1.0%		0.2%
Total impurities	≤2.0%		0.3%
Total number of colonies	≤1000cfu/g		< 1000cfu/g
Molds and yeast	≤100cfu/g		< 100cfu/g
Diarrheogenic Escherichia coli	Not be detected(1g)		Not detected
Salmonelia	Not be detected (10g)		Not detected
Conclusion:	This batch product conform to current USP.		
Analyzer	Chen Yan	Re-Checker	Wang Chunyue

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