



米克 (武汉) 生物科技有限公司

Mike(Wuhan) Biotechnology Co.,Ltd

Product Name:	VitaminB12(Cyanocobalamin)		
Packing	1000g/Tin	Quantity	100kg
Rep Date	Nov.06.2021	Batch NO.	MK20211101
MFG. Date	Nov.01.2021	Expiry Date	Sep.30.2026
Test Method	USP41 and in house standard		
Items	Standard	Results	Test Methods
Appearance	Dark red crystal or crystalline powder , with no smell and no taste,Hygroscopicity	Dark red crystal or crystalline powder , with no smell and no taste,Hygroscopicity	Visual Method
Identification A	A361nm/A278nm;1.70-1.90	1.86	UV
	A361nm/A550nm;3.15-3.40	3.28	
Identification B	The retention time of major peak of the sample should be consistent with the standard solution	Up to standard	HPLC
Identification C	Positive	Up to standard	
Loss on drying	≤ 12.0%	1.10%	USP <731>
Assay	96.0%~102.0%	97.60%	UV
7β,8β-Lactocyanocobalamin	≤1.0%	0.00%	HPLC
50-carboxycyanocobalamin	≤0.5%	Not Detected	
34-methylcyanocobalamin	≤ 2.0%	Not Detected	
32-carboxycyanocobalamin	≤ 1.0%	Not Detected	
8-Epi-cyanocobalamin	≤ 1.0%	Not Detected	
Any other unidentified	≤ 0.5%	0.10%	
Total impurities	≤3.0%	0.30%	
Total aerobic bacteria count	≤1000cfu/g	30cfu/g	USP <2021>
Molds,Yeasts	≤100cfu/g	10cfu/g	USP <2021>
E,coli	Negative	Not Detected	USP <2021>
Residual solvents	Acetone≤ 0.5%	Up to standard	In house
Conclusion	this products complied with the sepcification of USP41 and in house sta		

