



Pu 21569

Vitamin B12 Methylcobalamin Pure Powder 98% HPLC				
Product Code :			1704240	
Certificate of Analysis				
Version SDS	Date	Conclusion	Written by	Sign
001	2021-01-26	Conform	A.CONVERT Quality assistant	
			Validated by	Sign
			A.GILLET Quality assurance	
Manufacturing				
Product name	Methylcobalamin			
Chemical name	Mecobalamin			
Cas Number	13422-55-4			
E-number	-			
Additives / Carrier	None			
Compliance	JPXVII			
Origin	China			
Batch number	O-1704240-200917	Manufacture Date	2020-09	
		Best Before Date	2023-09	
Properties	Specifications			Results **
Organoleptic				
Appearance	Dark red crystals or crystalline powder			Complies
Physical and Chemical				
Identification	UV: conforms to standard			Complies
	Chemistry: positive			Complies
Solubility	Clear and red color			Complies
Related substance	≤ 2.0% by HPLC			1.7%
Individual impurity	≤ 0.5% by HPLC			ND
Water	≤ 12% by K.F			5.8%
Assay				
Assay (on dry basis)	≥ 98.0% by HPLC			99.6%
Microbiological				
Total plate count	≤ 10 000 CFU/g			< 10 cfu/g
Yeast & mould	≤ 100 CFU/g			< 10 cfu/g
Others	Endotoxin			ND
	Total enterobacteriaceae			
Contaminants*				
Heavy metals	≤ 10 ppm			ND
Arsenic	≤ 2 ppm			ND
Lead	≤ 3 ppm			ND
Cadmium	≤ 1 ppm			ND
Mercury	≤ 0.10 ppm			ND
Others	Residual solvent			Acetone : Not detected
Shelf Life	3 years			
Allergens	Absence			
Ionization	Certified in compliance with Regulation 1999/2/CE & 1999/3/EC.			
TSE/BSE	Certified in compliance with Regulation 999/2001/EC			
Nanomaterials	Certified in compliance with Decree 2012/232 & Decree dated August 6th, 2012			
GMO	Certified in compliance with Regulation 1829/2003/EC & 1830/2003/EC			

\*According to a control plan

Remarks: To be stored in original tightly closed package away from moisture and sunlight

Abbreviations: \* ND: not determined / NA: not applicable