

	CERTIFICAT DE CONFORMITE	DATE
		03/06/19
		VERSION N°1

POUR LE CLIENT

NUV

NOVOMA SARL
3 BIS AVENUE MARCEL LANGER
31 000 TOULOUSE

Je soussigné M. WACRENIER, Président de Laboratoire PHYTOCOSMA SAS certifie que le produit cité ci-après est conforme aux spécifications établies.

Nous vous rappelons qu'il vous appartient de vérifier les conditions de distribution et d'utilisation de ces produits conformément à la législation en vigueur.

Code interne	NUVVIT06
Désignation interne	VITAMINE B12

Code client	
Désignation client	VITAMINE B12

Numéro de lot	D16213	Numéro de BL	20382-20404
---------------	--------	--------------	-------------

Date de fabrication	11/01/2023	DDM	01/2026
---------------------	------------	-----	---------

Conditions de conservation	A conserver à l'abri de l'oxygène et de la lumière à une température comprise entre 15 et 25°C dans son emballage d'origine
----------------------------	---

Le produit contient de(s) Allergène(s)	Non
--	-----

Liste des allergène(s) dans le produit

Non applicable

Le produit contient de(s) Additif(s)	Non
--------------------------------------	-----

Liste de(s) additif(s) dans le produit

Non applicable

Le produit est BIO	Non
--------------------	-----

(*Produit issu de l'agriculture biologique FR-BIO-01 et process conforme à la fabrication de produits biologiques)



Le produit est sans OGM	Oui	Le produit est Ionisé	Non
-------------------------	-----	-----------------------	-----

Le produit est sans Gluten	Non
----------------------------	-----

Conforme Végétarien	Oui	Conforme Végétalien	Oui
---------------------	-----	---------------------	-----

Conforme Halal	Oui	Conforme Casher	Oui
----------------	-----	-----------------	-----

P022102

Vitamin B12 Methylcobalamin Pure Powder 98% HPLC				
Product Code :			1704240	
Certificate of Analysis				
Version SDS	Date	Conclusion	Written by	Sign
001	2021-12-01	Conform	A.GAUTRON 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-1704240-210806	Manufacture Date	2021-08	
		Best Before Date	2024-08	
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		ND	
Related substance	≤ 2.0% by HPLC		1,6%	
Individual impurity	≤ 0.5% by HPLC		0,4%	
Water	≤ 12% by K.F		6,4%	
Assay				
Assay (on dry basis)	≥ 98.0% by HPLC		100,6%	
Microbiological				
Total plate count	≤ 10 000 CFU/g		< 50 cfu/g	
Yeast & mould	≤ 100 CFU/g		< 10 cfu/g	
Others	Endotoxin		ND	
	Total enterobacteriaceae		ND	
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

Name of product **INAVEA ORIGINAL**

Lot number **220756**

Date of manufacture **21/09/22** **Expiry date** **21/09/25**

Place of manufacture NEXIRA - Route de Neufchâtel 76440 SERQUEUX - FRANCE

CERTIFICATE OF ANALYSIS

Test	Method	Specifications	Result
Description		Yellowish-white to yellow powder	Yellowish-white to yellow powder
Total dietary fibers (on dry weight) (%)	AOAC 985.29	≥ 90%	≥ 90%
pH of 25% solution	Eur.Ph	4.0 to 5.0	4,30
Viscosity of 25% solution (mPa.s)	Brookfield LVF 60 rpm	70 to 130 mPa.s	100
Moisture (5H-105°C) (%)	USP 921 Method III	≤ 10%	7,50
Acid insoluble matters (%)	Eur.Ph	≤ 0.5%	0,02
Total ashes (%)	Eur.Ph	≤ 4.0%	3,20
Acid insoluble ashes (%)	USP 561	≤ 0.5%	≤ 0.5%
Mesh size through 63 µm (%)	Vibro sieving	≤ 15%	≤ 15%
Solubility and reaction*	Eur.Ph	Passes test	Passes test
Glucose and fructose*	Eur.Ph	Passes test	Passes test
Starch, dextrin and agar*	Eur.Ph	Passes test	Passes test
Sterculia gum*	Eur.Ph	Passes test	Passes test
Tragacantha*	Eur.Ph	Passes test	Passes test
Tannins*	Eur.Ph	Passes test	Passes test
Identification*	Eur.Ph	Passes test	Passes test
Lead* (ppm)	ICP-OES/ICP-MS	≤ 0.1 ppm	≤ 0.1 ppm
Arsenic* (ppm)	ICP-OES/ICP-MS	≤ 0.5 ppm	≤ 0.5 ppm
Mercury* (ppm)	SAA	≤ 0.1 ppm	≤ 0.1 ppm
Cadmium* (ppm)	ICP-OES/ICP-MS	≤ 0.1 ppm	≤ 0.1 ppm
Total heavy metal* (ppm)	FCC Method II	≤ 5 ppm	≤ 5 ppm
Total plate count (CFU per g)	ISO 4833-1	≤2000/g	≤2000/g
Yeast and molds (CFU per g)	ISO 6611	≤100/g	≤100/g
E.coli	NF ISO 7251	ABS/5g	ABS/5g
Salmonella	NF EN ISO 6579-1	ABS/25g	ABS/25g

ORGANIC ACACIA GUM USA-NOP CERTIFIED BY ECOCERT SA F32600
 PRODUIT ISSU DE L'AGRICULTURE BIOLOGIQUE CERTIFIE PAR FR-BIO-01

****/**/**** periodicity of the analysis as defined on the Technical Data Sheet**

Comply with the EC regulation, 231/2012
Conform to Eur.Ph, USP/NF, BP



SERQUEUX, October 3, 2022



The information here above is based on our current knowledge. NEXIRA cannot be hold responsible besides the guarantees written on its supply contracts, based on the fact that it does not control the final use of this product. It is the buyer's responsibility to comply with local texts and laws regulating its activity and the use of this product.

CERTIFICATE OF ANALYSIS EMPTY HARD CAPSULES OF VEGETABLE ORIGIN

CUSTOMER: GOCAPS GMBH			
LOT No.: K2205001798	PRODUCT CODE: K00016	SIZE: 1	
PURCHASE ORDER NUMBER: 2000036	CHARGE No.: 1-000102	ART No.: 56-000108	
CAPSULE COLOR / CODE: CAP - NATURAL 1-0K / BODY - NATURAL 1-0K			
PRINT: N/A	TEXT: N/A	INK COLOR: N/A	

THIS IS TO CERTIFY THAT: The hard capsules of vegetable origin (K-CAPS) manufactured by C.I. FARMACAPSULAS S.A.S. are made from cellulose ethers, which are polymers derived from vegetable sources. Our capsules are certified as Kosher and Halal, and meet all requirements of current European Pharmacopoeia (EP) and United States Pharmacopoeia (USP). Hypromellose used in the manufacturing of capsules meet specifications as described in the current United States Pharmacopoeia. Cellulose ethers are considered as Generally Recognized As Safe (GRAS) by the FDA.

(% Ingredients to % Cellulose)

Cap	Body	%	%
<p><i>Colorant and ingredients used in capsules are officially approved for use as dye in Foods, Drugs and Cosmetics and/or Drugs and Cosmetics, in the country of destination.</i></p> <p><i>Some changes in color are due to natural colorants or can occur/are within the specification. The above specifications apply to all capsules having the same size and code numbers, unless otherwise stipulated.</i></p>			

Date of Manufacture: 2022-06

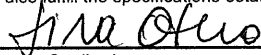
Expiration Date: 2027-06

CRITERIA	METHOD / REFERENCE	SPECIFICATIONS	RESULTS
PHYSICAL			
Average Capsule Weight	DCC-MI-P003 / USP <2091>	75.00-85.00 mg	78.8
Loss on drying	DCC-MA-P027	4.00-8.00 %	4.6
Disintegration	DCC-MA-P063 / USP <701>	N.M.T. 15 min	PASSES
Residue on Ignition *	USP	N.M.T. 1.5% Transparent Capsules	PASSES
		N.M.T. 6.0% Colored Capsules	
Identification of HPMC	DCC-MA-P073 / USP	Meets USP Requirements	PASSES
ANALYTICAL			
Arsenic *	EXTERNAL	N.M.T. 0.8 ppm	PASSES
Chromium *	EXTERNAL	N.M.T. 2 ppm	PASSES
Cadmium *	EXTERNAL	N.M.T. 0.5 ppm	PASSES
Lead *	EXTERNAL	N.M.T. 0.5 ppm	PASSES
Mercury *	EXTERNAL	N.M.T. 0.1 ppm	PASSES
Cobalt *	EXTERNAL	N.M.T. 5.0 ppm	PASSES
Vanadium *	EXTERNAL	N.M.T. 10.0 ppm	PASSES
Nickel *	EXTERNAL	N.M.T. 20.0 ppm	PASSES
Total Aerobic Microbial Count	DCC-MA-P031 / USP <61>	N.M.T. 1000 cfu/g	90
Total Yeasts and Molds Count	DCC-MA-P040 / USP <61>	N.M.T. 100 cfu/g	<10
Total Coliforms	DCC-MA-P036 / USP <62>	Absence / 1 g	Absence
Salmonella	DCC-MA-P039 / USP <62>	Absence / 10 g	Absence
Escherichia Coli	DCC-MA-P036 / USP <62>	Absence / 1g	Absence
Staphylococcus aureus	DCC-MA-P037 / USP <62>	Absence / 1g	Absence
Pseudomonas aeruginosa	DCC-MA-P033 / USP <62>	Absence / 1g	Absence

*Reduced Frequency Testing

Storage Conditions: Temperature: 15°C - 30°C / Relative Humidity: 35 % - 70 % RH N.M.T. = No More Than

NOTE: The VISUAL QUALITY is superior to the established figures in the sampling plans of the ANSI/ASQ Z1.4-2013 "Procedure of sampling to inspect for attributes", using simple sampling with level III of General Inspection and Acceptable Level of Quality (AQL) of 0.010 for Critical defects, 0.040 for Major defects and 0.250 for Minor defects. They also fulfill the specifications established in the Technical Information Manual in force.



 Quality Assurance

Date: 2022/06/29



Code: DCC-032G (Valid since November 1st, 2021)
Edition 7

MANUFACTURER ADDRESS: VIA 40 85-48 BARRANQUILLA - COLOMBIA
TELEPHONE: (57-60-5) 330-4100 FAX: (57-60-5) 330-4105