[redacted]

BA validé par LL

[redacted]

CERTIFICATE OF QUALITY

Customer Name : [redacted] **COA No :** [redacted]

Name of Product : Cellulose Capsule Shells

Product Code : [redacted] **Customer Code :** [redacted]

Cap Color : CLEAR TRANSPARENT

Body Color : CLEAR TRANSPARENT

Batch : [redacted] **Batch Qty :** 9,289,000 **Spec Ref :** [redacted]

Mfg. Date : [redacted] **Expiry Date :** [redacted] **Size :** 1

PRINTING DETAILS

---------- No Printing ----------

TEST	SPECIFICATION	UNIT	RESULT
1.IDENTIFICATION			
1) Description	Unlocked cylindrical capsules	-	Complies
2) Capsule Colour	As per approved colour shade	-	Complies
3) Identification of HPMC	Tests positive for HPMC	-	Complies
2.PERFORMANCE			
1) Disintegration Time	Maximum - 15.0	min	3
2) Loss on Drying	3.0 - 8.0	%	4.8
3) Average Weight	71.0 - 81.0	mg	78.4
3.PURITY			
1) Odour	No foreign odour	-	Complies
4.SAFETY			
1) Arsenic	Maximum 1 ppm	-	Complies*
2) Lead	Maximum 1 ppm	-	Complies*
3) Lubricant Content	Maximum 0.5%	-	Complies*
4) Mercury	Maximum 0.1 ppm	-	Complies*
5) Cadmium	Maximum 0.5 ppm	-	Complies*
5.MICROBIAL LIMITS			
1) Total aerobic microbial count	0 - 1000	cfu/g	20
2) Yeast and Molds	0 - 100	cfu/g	<10
3) Escherichia coli	Absent in 1g	-	Absent
4) Salmonella	Absent in 10g	-	Absent
5) Pseudomonas Aeruginosa	Absent in 1g	-	Absent
6) Staphylococcus aureus	Absent in 1g	-	Absent

In Accordance with ICH Q3C Residual solvent guideline, Class 3 solvents may be used according to good manufacturing practices such that their cumulative value does not exceed 5000 ppm or 0.5% under option 1 as defined in ICH Q3C, USP-467 & Ph.Eur General text 5.4

DISPOSITION: The above batch was tested using methods described in current edition of our capsules testing guide and conforms to the prescribed release specifications for Cellulose Capsule Shells.

* Compliance as per test parameter monitoring protocol.

[redacted]

CERTIFICATE OF QUALITY

Customer Name : [redacted] **COA No :** [redacted]

Name of Product : Cellulose Capsule Shells

Product Code : [redacted] **Customer Code :** [redacted]

Cap Color : CLEAR TRANSPARENT

Body Color : CLEAR TRANSPARENT

Batch : [redacted] **Batch Qty :** 9,289,000 **Spec Ref :** [redacted]

Mfg. Date : [redacted] **Expiry Date :** [redacted] **Size :** 1

PRINTING DETAILS

---------- No Printing ----------

[redacted]

Approved By [redacted]

Designation Approver

Signature Not Verified

Digitally Signed By: [redacted]

This document is digitally signed.

These capsules are produced under very carefully controlled GMP conditions. Controls are performed continuously during the process and assure that the capsules conform to the highest standards as per prescribed release specification.

[redacted]

PRODUCT INFORMATION

Name Of Product : Cellulose Capsule Shells
Brand Name : [redacted]
Product Code : [redacted] **Customer Code** : [redacted]

Component	Reference	Percentage (%)
Hydroxypropylmethylcellulose	USP+Ph.Eur+I.P	q.s for 100
Purified Water	Ph.Eur+IP	4-6
No added Preservatives		
CAP		
Colorants No Colorants		0.0000
BODY		
Colorants No Colorants		0.0000

Limitations: The indicated composition data are target values based on lab scale development. The actual values may vary for matching the color.

The product is manufactured in accordance with IPEC GMP. The visual quality and print quality of capsules wherever applicable conform to the AQL (Acceptable level of Quality) as defined in the specification.

Cellulose Capsule Shells are not concerned by the requirements regarding TSE//BSE of regulation (EC) No.999/2001 and amendments thereof, EMEA/410/01 & USFDA - 9CFR part 94.23. The Cellulose Capsule Shells do not pose any TSE/BSE risk.

Storage Conditions	(a) Temperature between 15-30 °C and RH between 40-65%. (b) Do not store near a source of heat & avoid wide temperature fluctuation during storage
Handling Precautions	(a) Temperature between 20-25°C and RH between 45-55% during usage. (b) Use Only S.S Scoops & Spatulas. (c) Do not leave capsules in a filling machine hopper for prolonged period when not in use. (d) Keep mouth of the bag closed when not in use.
Shelf Life	5 Years from date of manufacturing when stored & handled as above

Recommendation For Filling	Closed Joined Length (mm)	Volume (ml)
Nominal	19.3	0.50
Tolerance	± 0.4	APPROX CAPACITY

[redacted]

Name of product **INAVEA ESSENTIAL** BA validé par LL [redacted]

Lot number [redacted]

Date of manufacture [redacted] **Expiry date** [redacted]

Place of manufacture [redacted]

CERTIFICATE OF ANALYSIS

Test	Method	Specifications	Result
Description		Brown to dark powder	Brown to dark powder
Total dietary fibers (on dry weight) (%)	AOAC 985.29	≥ 90%	≥ 90%
pH of 25% solution	Eur.Ph	4.1 to 4.8	4,42
Color of 25% solution		Brown to black	Brown to black
Viscosity of 25% solution (mPa.s)	Brookfield LVF 60 rpm	60 to 130 mPa.s	115
Moisture (5H-105°C) (%)	USP 921 Method III	≤ 10%	7,15
Acid insoluble matters (%)	Eur.Ph	≤ 0.5%	0,05
Total ashes (%)	Eur.Ph	≤ 4.0%	2,30
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)	NF EN ISO 4833-1	≤1000/g	≤1000/g
Yeast (CFU per g)	ISO 6611	≤100/g	≤100/g
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

[redacted]

The information here above is based on our current knowledge. [redacted] 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.

[redacted]

CERTIFIE FR-BIO-01
AGRICULTURE NON UE

CERTIFICATE OF ANALYSIS

ORGANIC COCONUT FLOUR

Reference : [redacted]

DESCRIPTION

Organic coconut flour consist of finely ground fibers of partially de-oiled coconut meat (*Cocos nucifera*).

BATCH N°	[redacted]
Best before :	[redacted]

PHYSICO-CHEMICALS ANALYSIS

	Specification	Methods	Results
Appearance	Creamy beige to light brown fine particles	Internal	Conform
Flavour and Taste	Typical, fresh coconut flavour		Conform
Moisture	<6%		Conform
Crude fat content	<20%		Conform

MICROBIOLOGICAL SPECIFICATIONS

	Specifications	Methods	Results
Total plate count	≤500 000 cfu/g	European Pharmacopoeia or eq.	20 000 cfu/g
Yeasts & Moulds	≤50 000 cfu/g		<1000 cfu/g
Enterobacteriaea	≤10 000 cfu/g		<100 cfu/g
E.coli	Negative/g		Negative/g
Salmonella	Negative/25g		Negative/25g

STORAGE

Store at ambient Temperature (<25°C) in cool and dry place, protected from light.

Validity and use of this certificate of analysis are strictly limited to the mentionned batch.
It is the customer's responsibility to make sure use and conditions of use comply with
the legislation in force in their own markets and countries.

[redacted]

DQP06
[illegible]
Version 1

[illegible]

To whom it may concern,

Product : E58B0002 - ORGANIC COCONUT FLOUR
Batch Number : [illegible]
Best before : [illegible]

	Specification	Result
Ethylene oxide (sum of ethylene oxide and 2-chloro-ethanol expressed as ethylene oxide)	<0,010 ppm	Conform
Pesticides LC-MS GC-MS	Conform to Organic agricultural practices according to Regulation (EU) 2018/848	Conform

Quality department

This information is based on our best knowledge and data provided by our production partners.

[illegible]

Certificat d'analyse

BA déjà validé par LL [redacted]

[redacted]

[redacted]

[redacted] [redacted]

France

Certificat d'analyse selon le DIN 55350-18-4.2.2

Nicotinamide EP/USP Food

5KG Fibreboard boxes
No commande d'achat/Article client
[redacted]

Article	[redacted]
Ordre	[redacted]
Livraison	[redacted]
Lot	[redacted]
Lot/Qté	5.000 KG
Total	5.000 KG
Transport	0000000001256425399

Characteristic Method	Unit	Value	Lower Limit	Upper Limit
Appearance		white crystalline powder		
Colour		white		
Identity (IR-,UV-Absorption and TLC)		conforms		
Content	% w/w	99,7	99,0	101,0
Heavy metal (Pb)	mg/kg	< 20		20
Lead	mg/kg	< 0,005		2,000
Chloride	mg/kg	< 70		70
Sulfate	mg/kg	< 190		190
Readily carbonizable substances (vis)		no more color than Matching Fluid A		
pH (5g /100mL water)		6,7	6,0	7,5
Loss on drying	% w/w	0,06		0,50
Appearance of solution		conforms		
Related substances (Ph.Eur.)				

Certificat d'analyse

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

France

Certificat d'analyse selon le DIN 55350-18-4.2.2

Nicotinamide EP/USP Food

5KG Fibreboard boxes
No commande d'achat/Article client
[redacted]

Article	[redacted]
Ordre	[redacted]
Livraison	[redacted]
Lot	[redacted]
Lot/Qté	5.000 KG
Total	5.000 KG
Transport	00000000001256425399

Characteristic Method	Unit	Value	Lower Limit	Upper Limit
unspecified impurities	% w/w	0,05		0,10
total impurities	% w/w	0,05		0,20
Sulfated ash	% w/w	0,07		0,10
Production date		20.06.2024		
Best before / Retest date		19.06.2029		

Residual solvents (USP #): conforms

Nicotinamide EP/USP Food meets the specifications of the current monographs:
"Nicotinamide" of Ph.Eur.
"Niacinamide" of USP
"Niacinamide" of FCC
This C/A is based on analytical results, obtained by the QC-laboratory of the manufacturer.

Refilled by BTC Europe GmbH, Burgbernheim.

Il s'agit d'un document généré par ordinateur. Aucune signature n'est requise.

BA validé par LL

CERTIFICATE OF ANALYSIS

Product and Batch Informations			
VITAMIN B6 PYRIDOXAL 5'-PHOSPHATE REF : PLP.001			
Batch		Origin (natural/synthetic)	Synthetic
N° CAS		Country of manufacturing	Asia - China
PP date		Expiration date	

ANALYSIS ITEM	SPECIFICATION	RESULT	TEST METHOD
Active Ingredients/Substance to control			
Assay	98,5 – 101,0 %	99,1%	CP<0512>
Physical/Chemical Control			
Appearance	Slightly yellow or off-white powder	Complies	Visual
Water by KF	NMT 10,0%	8,3%	CP<0832>
Melting point	140 - 145°C	143°C	CP<0612>
B6 free Vitamin B6	NMT 0,05%	0,03%	CP<0512>
Particle size	NLT 90% through 30 mesh	Complies	CP<0982>
Solubility	Very slightly soluble in water, soluble in alkali-OH solution	Complies	CP General Notices
pH (in 0.25% water)	2,6 – 3,0	2,8	CP<0631>
Contaminant Control*			
Lead (Pb)	NMT 3ppm	Complies	CP<0412>
Arsenic (As)	NMT 2ppm	Complies	CP<0412>
Cadmium(Cd)	NMT 1ppm	Complies	CP<0412>
Mercury (Hg)	NMT 0,1ppm	Complies	CP<0412>
Microbiological Control			
Total aerobic microbial	NMT 20 000 cfu/g	<100 cfu/g	CP<1105>
Tot. yeast and mould	NMT 200 cfu/g	<10 cfu/g	CP<1105>
Bile tolerant gram – bacteria (enterobacteria)	NMT 100 cfu/g	Complies	CP<1105>
Salmonella	Negative/10g	Complies	CP<1106>
E.Coli	Negative/g	Complies	CP<1106>
Staphyloccocus	Negative/g	Complies	CP<1106>
Statements			
Allergens	Allergen free		
GMO	No OGM		
Irradiation	No irradiation		
BSE/TSE	BSE/TSE free		
Nanomaterials	Nanomaterials free		
Packing and Storage			
Packing	Suitable for food industry		
Storage	Store in dry places and keep away from strong direct light and heat.		

**According to a control plan*

***Sum of ethylene oxide and 2-chloro-ethanol expressed as ethylene oxide*

**** According to meeting on Ethylene oxide on october 2021, applicable limit of ethylene oxide for food supplement, some minerals and additives (except in specific case) is 0.1ppm*

[redacted]

BA validé par LL
le [redacted]

Product Name: CrPIX® - Chromium picolinate powder	
Synonym: CrPic; Cr(pic)3; chromium tripicolinate; chromium (III) trispicolinate	
CAS number: [redacted]	**EC number:** [redacted]
Molecular formula: C18H12CrN3O6	**Molecular weight:** 418.30 g/mol
Standard: USP	**Specification ref.:** R0_V0
Batch Number: [redacted]	**Manufacturing date**: [redacted]
Expiry Date: [redacted]	**Principle ref.:** BPM147

Analysis	Specification	Result
Appearance	Pink to reddish coloured free flowing fine powder	Conforms
Identification A [IR]	Must comply to the standard	Conforms
Identification B [alkaline H2O2 colour test]	A yellow precipitate develops	Conforms
Solubility	Sparingly soluble in water Slightly soluble in boiling water	Conforms
Assay [Chromium picolinate] [AAS] (on dried basis)	98.0% to 102.0 %	99.32%
Loss on drying	NMT 4.0%	1.90%
Chloride	NMT 0.06%	Conforms
Sulphate	NMT 0.2%	Conforms

Conclusion: This product conforms to the specification and standards mentioned above.
Storage conditions: Store in a cool, dry place away from heat, direct light and moisture.

This is a computer-generated report therefore it is valid without signatures.

Certificate of Analysis

CrPIX® - Chromium picolinate powder

BA validé par LL

Product Name: CrPIX® - Chromium picolinate powder	
Synonym: CrPic; Cr(pic)3; chromium tripicolinate; chromium (III) trispicolinate	
CAS number:	**EC number:**
Molecular formula: C18H12CrN3O6	**Molecular weight:** 418.30 g/mol
Standard: USP	**Specification ref.:** R0_V1
Batch Number:	**Manufacturing date**:
Expiry Date:	**Principle ref.:** BPM147

Analysis	Specification	Result
Appearance	Pink to reddish coloured free flowing fine powder	Conforms
Identification A [IR]	Must comply to the standard	Conforms
Identification B [alkaline H2O2 colour test]	A yellow precipitate develops	Conforms
Solubility	Sparingly soluble in water Slightly soluble in boiling water	Conforms
Assay [Chromium picolinate] [AAS] (on dried basis)	98.0% to 102.0 %	99.26%
Assay [Chromium]	12.18% to 12.68%	12.34%
Loss on drying	NMT 4.0%	1.98%
Chloride	NMT 0.06%	<0.06%
Sulphate	NMT 0.2%	<0.2%
Lead (Pb)	NMT 3 ppm	0.33 ppm
Arsenic (As)	NMT 1 ppm	0.15 ppm
Cadmium	NMT 1 ppm	0.12 ppm
Mercury	NMT 0.1 ppm	0.01 ppm
E. Coli	Negative/ g	Conforms
Salmonella	Negative/ 25g	Conforms

Conclusion: This product conforms to the specification and standards mentioned above.
Storage conditions: Store in a cool, dry place away from heat, direct light and moisture.

This is a computer-generated report therefore it is valid without signatures.