NOVOMA

Lieu de livraison

NOVOMA

Liste de colisage

Nombre de cartons	Unités par carton	Commande n°	Désignation des produits	N° de lot	DDM	Nombre total d'unités
Palette n° 1 - Poids brut total: 70kg - Retour MP & ADC fournis par vos soins						Nombre total de cartons : 12
8	/	P00722	Pilulier PET 150 ml Amber 38-400	140126		711
1	3,03	P00722	Safran ES Stigmate AFFRON®	SAF-31667-PH	31/10/2028	3,03
1	9,16	P00722	Mélisse ES feuille 5% ac.rosmarinique 2.5-5/1	202310260655		9,16
1	5,15	P00722	Resveratrox®	2509107-23		5,15
1	10	P00722	Pollen de fleurs ES 20/1	00008394	16/10/2027	10
Palette n° 2 - Poids brut total: 218kg						Nombre total de cartons : 28
23	124	P00722	Ménopause Novoma 60 gélules	26056	01/2029	2852
1	121	P00722	Ménopause Novoma 60 gélules	26056	01/2029	121
1	34	P00722	Ménopause Novoma 60 gélules - **sans étiquette**	26056	01/2029	34
1	51	P00722	Ménopause Novoma 60 gélules - **non conforme**	26056	01/2029	51
1	31	P00722	Ménopause Novoma 60 gélules - **sans sleeve et sans étiquette**	26056	01/2029	31
1	124	P00722	Ménopause Novoma 60 gélules - **sans sleeve et sans étiquette**	26056	01/2029	124
					Nombre total de piluliers	**3213**

Synthèse : Livraison de 2 palettes - 40 cartons
Poids brut total : 288kg
Transports: Géodis

Tous types de camions acceptés

[redacted]

CERTIFICATE OF QUALITY

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

Name of Product : Cellulose Capsule Shells

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

Cap Color : CLEAR TRANSPARENT

Body Color : CLEAR TRANSPARENT

Batch : [redacted] **Batch Qty :** [redacted] **Spec Ref :** [redacted]

Mfg. Date : [redacted] **Expiry Date :** [redacted] **Size :** 0

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	5
2) Loss On Drying	3.0 - 8.0	%	5.4
3) Average Weight	90.0 - 102.0	mg	99.6
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 - 500	cfu/g	50
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 :**

Cap Color : CLEAR TRANSPARENT

Body Color : CLEAR TRANSPARENT

Batch : [redacted] **Batch Qty :** [redacted] **Spec Ref :** [redacted]

Mfg. Date : [redacted] **Expiry Date :** [redacted] **Size :** 0

PRINTING DETAILS

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

Approved By [redacted]

Designation [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.

PRODUCT INFORMATION

Name Of Product : Cellulose Capsule Shells
Brand Name :
Product Code : **Customer Code** :

Component	Reference	Percentage (%)
Hydroxypropylmethylcellulose	USP+Ph.Eur+I.P	q.s for 100
Purified Water	Ph.Eur+IP	4-6
Carrageenan	USPNF+Ph.Eur	2.0
Potassium Acetate	USP+Ph.Eur	1.5
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 cGMP#in#an#ISO certified#plant. 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	21.4	0.68
Tolerance	± 0.4	APPROX CAPACITY

ANALYSIS CERTIFICATE

Customer :

Product :

Customer order n° :

Batch :

Alland & Robert order n° :

Manufacturing date :
Expiry date :

Description

The gum arabic is the dried gummy exudation of high molecular polysaccharides obtained from the stems and branches of Acacia senegal or closely related species of Acacia (fam. Leguminosae). Alveolar structure insuring an easy flow, a good dispersibility and a quick dissolving at room temperature.

Organoleptic data

	norms	**results**
Taste, odor	*tasteless, odorless*	**conforms**
Appearance	*white or yellowish-white free flowing powder*	**conforms**

Chemical analysis

Loss on drying	*≤ 10.0 %*	**6.5 %**
Total ash	*≤ 4.0 %*	**3.2 %**
Acid insoluble ash	*≤ 0.5 %*	**< 0.10 %**
Acid insoluble matters	*≤ 0.1 %*	**< 0.01 %**
pH - *25% w/w aqueous solution*	*4 - 5*	**4.54**
Starch or dextrin	*absence*	**complies**
Tannin-bearing gums	*absence*	**complies**
Arsenic	*< 3 mg/kg*	**complies**
Lead	*< 2 mg/kg*	**complies**
Mercury	*< 1 mg/kg*	**complies**
Cadmium	*< 1 mg/kg*	**complies**
Total dietary fibre content (AOAC 985-29)	*90% min. (on dry weight)*	**In progress**

Physical analysis

Specific optical rotation-*10% w/w aqueous solution*	*+35° to +60°*	**+46.2°**
Viscosity -*25% w/w aqueous solution* *Brookfield LVDV2T-Sp1-30RPM-20°C*	*≥ 60 cps*	**85 cps**
Colour-*25% w/w aqueous solution*	*4 – 10°Lovibond*	**8°Lovibond**
Granulometry Standard	*max 15% < 75µm*	**complies**

Microbiological analysis

Total viable count	*< 1 000 cfu/g*	**< 5 cfu/g**
Yeasts and mould	*< 100 cfu/g*	**< 5 cfu/g**
Escherichia coli	*Neg. /10g*	**complies**
Salmonella	*Neg. / 25g*	**complies**

Conclusion

Compliance with the current versions of EP, FCC, USP-National Formulary and Commission Regulation (EU) No 231/2012 laying down specifications for food additives [E414], as amended. Compliance with specifications.

CERTIFICATE OF ANALYSIS

Product: LEMON BALM, DRY EXTRACT, 5% ROSMARINIC ACID (HPLC)
Code: [illegible] **Batch:** [illegible]
Manufacturing date: [illegible] **Re-test date:** [illegible]

Botanical name: *Melissa officinalis*
Plant Part Used: Leaves
Ratio: 2,5-5:1
Solvent: Water
Composition: Native extract (70-90%) / maltodextrin (10-30%)
Appearance: **

ANALYSIS	UNITS	SPECIFICATION	METHOD	RESULTS
Identification (HPTLC)	-	Conforms to standard	HPTLC	Complies
Assay				
Rosmarinic acid	%	≥5,0	HPLC	5
Particle size <250 microns	%	≥90,0	Eu. Pharm. c.v. (2.9.12)	97,34
Bulk density	g/ml	≥0,4	Eu. Pharm. c.v. (2.9.34)	0,63
Humidity	%	≤ 5,0	Eu. Pharm. c.v. (2.8.17)	3,49
Residual solvents				
Ethanol	ppm	≤ 5000	Eu. Pharm. c.v. (2.4.24)	Complies
Microbiology				
TAMC	ufc/g	≤10000	Eu. Pharm. c.v. (2.6.12)	Complies
TYMC	ufc/g	≤100	Eu. Pharm. c.v. (2.6.12)	Complies
Bile-tolerant gram-negative bacteria	ufc/g	≤100	Eu. Pharm. c.v. (2.6.31)	Complies
Salmonella sp.	25 g	Absence	Eu. Pharm. c.v. (2.6.31)	Complies
Escherichia coli	1 g	Absence	Eu. Pharm. c.v. (2.6.31)	Complies
Polycyclic aromatic hydrocarbons (PAHs)*				
PAH4 (Sum of benzo(a) pyrene, benzo(a) anthracene, benzo(b) pyrene, benzo(b) fluoranthene and chrysene)	ppb	≤ 50	GC-MS	Complies
Benzo (a) Pyrene	ppb	≤10	GC-MS	Complies
Heavy metals*				
Lead	ppm	≤2,0	Eu. Pharm. c.v. (2.4.27)	Complies

CERTIFICATE OF ANALYSIS

ANALYSIS	UNITS	SPECIFICATION	METHOD	RESULTS
Heavy metals*				
Arsenic	ppm	≤1,0	Eu. Pharm. c.v. (2.4.27)	Complies
Cadmium	ppm	≤1,0	Eu. Pharm. c.v. (2.4.27)	Complies
Mercury	ppm	≤0,1	Eu. Pharm. c.v. (2.4.27)	Complies
Pesticides*	ppb	According to Regulation (EC) Nº 396/2005 and amendments	SANTE/12682/2019	Complies
Mycotoxins*				
Ocratoxin A	ppb	≤10	Eu. Pharm. c.v. (2.8.22)	Complies
Aflatoxins B1+B2+G1+G2	ppb	≤4	Eu. Pharm. c.v. (2.8.18)	Complies
B1 aflatoxins	ppb	≤2	Eu. Pharm. c.v. (2.8.18)	Complies
Dioxins*				
PCBs not similar to dioxins	µg/kg	≤10	GC-MS	Complies
Dioxins + PCBs similar to dioxins	ng WHO-PCDD/F -TEQ/kg	≤1,25	GC-MS	Complies
Dioxins (PCDDS and PCDDFS)	ng WHO-PCDD/F -TEQ/kg	≤0,75	GC-MS	Complies

Storage: Keep in closed and protected containers

Country of origin: Spain

Comments: * Parameter determined according to the sampling plan established in our HACCP system. **This is an herbal product; therefore, it is subject to color variations from batch to batch derived from natural, raw material color deviations. Color change has no effect on the quality, purity, potency, chemical profile or efficacy of the product.

Specification version: 17

This document is computed printed and therefore without signature.

The information set out in this specification and/or in any other document provided with the products does not constitute any warranty other than conformity to the current product specifications. The authorized uses of our products are not the same in all countries and it is your responsibility to verify that the use/s for which they are intended and their labelling are in accordance with current local or national legislation and regulations. The buyer agrees to hold the seller harmless against any third-party claim that it brings cause of unauthorized use of the product and/or its incorrect labelling.

CERTIFICATE OF ANALYSIS

Document Print Date

Customer		**Batch No**	
Customer PO		**Manufacturing / Packaging Date**	
Customer Item			
Order No		**Exp. Date**	
Product	K2VITAL® 1.0% DELTA Powder (1 KG)	**Ship To**	

Manufacturing Site Address

Analytical Results

Test Description	Specification				Batch Analysis Result
	Method	Units	Min	Max	
Appearance/Color	White to light yellow fine powder (visual)	-			Pass
Identification	To match Ref Std Profile - based on HPLC/USP MK7 preparation	-			Pass
Mesh 20 USP >99.5%	Passes through mesh 20 USP >99.5% (Sieve)	-			Pass
Mesh 40 USP >85%	Passes through mesh 40 USP >85% (Sieve)	-			Pass
MK-6	NMT 10% of the labelled amount (ppm) of MK-7 on as-is basis	-			Pass
Mesh 100 USP <20%	Passes through mesh 100 USP < 20% (Sieve)	-			Pass
all-trans MK-7 _%	Internal/based on HPLC/USP MK-7 Preparation monograph	%	1.00		1,12
Cis isomer	NMT 2.0% (based on HPLC/USP MK-7 Preparation monograph)	-			Pass
LOD_1	Loss on drying NMT 5% (Gravimetric)	-			Pass
Lead(Pb)	NMT 0.5 µg/g (ICP-MS/ICP-OES)	-			Pass
Cadmium(Cd)	NMT 0.2 µg/g (ICP-MS/ICP-OES)	-			Pass
Mercury(Hg)	NMT 0.05 µg/g (ICP-MS/ICP-OES)	-			Pass
Arsenic(As)	NMT 0.5 µg/g (ICP-MS/ICP-OES)	-			Pass
TAMC_1	Total aerobic microbial count <10^3 cfu/g (USP/Ph. Eur.)	-			Pass
TYMC_1	Total yeasts/moulds count <10^2 cfu/g (USP/Ph.Eur.)	-			Pass
E.coli/10g	Absent in 10g (USP/Ph.Eur.)	-			Pass
Staph_10	Staphylococcus aureus absent in 10g (USP/Ph.Eur.)	-			Pass
Salmonella sp.	Absent in 25g (ISO6579)	-			Pass
Pseudomonas_10	P. aeruginosa absent in 10g (USP/Ph.Eur.)	-			Pass
Enterobacteria (EB)	Total EB <=100 cfu/g	-			Pass
RS<0.5%	Residual solvents <0.5% (Headspace GC-FID) (Ph. Eur.)	-			Pass
Sum 2CE/EtO	<0.010 mg/kg (GCMS/MS);confirmation based on random sampling	-			Pass

Customer Comments

This Certificate is computer generated. No signature is required.

CERTIFICATE OF ANALYSIS

Notes

- SPEC-DEL-258 V12
- Country of origin for this product is Denmark
- Heavy metals and microbiology results are based on random sampling
- Microbiological result interpretation is based on EP-2.6.12 Microbiological examination of non-sterile products: Microbial examination tests (1) section 5-3 interpretation of results
- Residual solvents results are based on active ingredient MK-7. No solvents are used in the production of K2VITAL® DELTA products
- The product is USP Compliant to MK-7 Preparation monograph, Codex alimentarius and EU regulations as applicable
- The test methods may vary from the USP monograph methods

Customer Comments

This Certificate is computer generated. No signature is required.

Certificate of Analysis

Product Name: [redacted] 100,000iu/g Powder
Product Ref: [redacted]

Batch No. [redacted]
Date of Manufacture: [redacted]
Re-test date: [redacted]

CAS No. [redacted]
Molecular Formula: $C_{27}H_{44}O$
EEC No. 200-673-2
Details: Plant-source Vitamin D3 (Cholecalciferol) 100,000iu/g Powder.
Suitable for Vegetarians: Yes
Suitable for Vegans: Yes

Test	Specification	Result	Method
Appearance:	White to pale yellow powder	Conforms	Visual
Assay (as dried substance):	90,000 iu/g – 110,000 iu/g	106,050iu/g	USP
Sieve Analysis:	>90% through No. 40	Conforms	USP 786
Bulk Density:	0.3 – 0.7g/ml	0.39g/ml	USP 616
Loss on drying:	Max. 5%	4.2%	USP 731
Heavy Metals:	Max. 3 ppm	Conforms	EN ISO 17294
Lead (Pb):	Max. 0.5 ppm	Conforms	ICP
Cadmium (Cd):	Max. 0.1 ppm	Conforms	ICP
Arsenic (As):	Max. 0.5 ppm	Conforms	ICP
Mercury (Hg):	Max. 0.1 ppm	Conforms	ICP
Chromium (Cr):	Max. 0.1 ppm	Conforms	ICP
Total Viable Count (TVC):	Max.1,000 cfu/g	<10cfu/g	ISO 4833
Yeasts & moulds:	Max. 100 cfu/g	<10cfu/g	ISO 7954
Coliforms:	Max. 10 cfu/g	Conforms	ISO 4832
E. Coli per g:	Negative	Conforms	ISO 16649
Salmonella per 25g:	Negative	Conforms	ISO 6579
Staphylococcus Aureus per g:	Negative	Conforms	ISO 6888

GMO Status:	Non-GMO	Non-GMO
Irradiation Status:	Non-irradiated	Non-irradiated
TSE/BSE Status:	TSE/BSE free	TSE/BSE free

Storage & Handling

This material is to be stored in a tightly sealed bag/container and kept in a cool, dry place away from moisture and direct sunlight.

To be used as per local legislation.

Version No. 1.0 Date of issue:

[illegible]

Certificate of Analysis

Product Description Flower Pollen HA PE 20-1

Product Code
Batch Number
Production Date
Best Before Date

Properties	Target Value	Lower Control Limit	Upper Control Limit	Results	Unit Of Measure
ORIGIN					
ORIGIN	Chine				
ORGANOLEPTIC					
TEXTURE	Powder			Powder	
COLOR	Yellow to brown			Brown	
ODOR	Characteristic			Characteristic	
PHYSICAL AND CHEMICAL ***					
LOSS ON DRYING			10,00	3,56	%
ASH			10,00	3,10	%
Pass 80 mesh		90,0		Complies	%
MICROBIOLOGICAL **/***					
TOTAL PLATE COUNT ****			10 000	Complies	CFU/G
YEAST AND MOULD ****			100	Complies	CFU/G
ENTEROBACTERIAE			100	Complies	CFU/G
E COLI			0	Absence	CFU/G
SALMONELLA			0	Absence	CFU/25G
HEAVY METALS					
CADMIUM			1,000	Complies	PPM
LEAD			3,000	Complies	PPM
MERCURY			0,100	Complies	PPM

Certificate of Analysis

Properties	Target Value	Lower Control Limit	Upper Control Limit	Results	Unit Of Measure
ARSENIC			1,000	Complies	PPM

Signed by: **Certification Date :**

**Product certified by ECOCERT FR-BIO-01*
***According to a control plan*
****Based on our producer's information*
*****Acceptable maximal count: 5 times the acceptance criterion according to European Pharmacopoeia X° Edition 5.1.8 Category B or C*
(1) By calculation

Abbreviations: ND: not determined / NA: not applicable / HA : Hydroalcoolic / PE: Powder extract / FE : Fluid extract / SE : Soft extract
For herbal product : there is likely to be minor colour variation from batch to batch because of the seasonal variations of raw materials. Colour change will not affect the quality and efficacy of the product.

Award winning extracts proudly brought to you by

Certificate of Analysis

STRICTLY CONFIDENTIAL. Not to be disclosed to third parties without the express written consent of IMCD.					
Lot No.:	[redacted]	**D.O.M.**	[redacted]	**ES version/ edition:**	**9.099**

Code:	[redacted]	**Native extract ratio:**	200:1	**GMO status:**	Non-GMO
Trade name:	ResveratrOx®50	**Excipient(s):**	Nil	**BSE/TSE status:**	BSE/TSE free
Scientific name:	*Fallopia japonica*	**Final extract ratio:**	200:1	**CITES status:**	Non-CITES
Common name:	Giant Knotweed	**Extraction solvent(s):**	100% Ethyl acetate, 85% Ethanol/ Water	**SM ref. no.:**	SMNNFJ20050-003-200702
Plant part used:	Root (dry)	**Pharmacopoeial ref:**	N/A	**Sanitising treatment:**	Nil
Preparation type:	Extract dry conc. std.	**PI number:**	N/A	**Retest after:**	2 years
Storage conditions:	Store in tightly sealed containers below 30°C away from direct light and moisture.				

Test	**Specification**	**Method of analysis**	**Results**
Identification	Conforms to the control sample	HPTLC	Conformed
Organoleptic	Light green to brown powder with characteristic odour and taste	Organoleptic evaluation	Light brown powder with characteristic odour and taste
Loss on drying (w/w)	≤5.0%	As per Ph. Eur./ BP	Not tested ‡
Solubility	Reported	Dissolution	Not soluble in water and partially soluble in ethanol *
Particle size	100% through 80 mesh	Sieve analysis	100% *
Bulk density	Reported	As per Ph. Eur./ BP	0.405g/mL *
Heavy metals - Lead - Arsenic - Cadmium - Mercury	Complies with Regulation (EC) 629/2008 ≤0.5ppm ≤1ppm ≤0.5ppm ≤0.1ppm	ICP-MS	 Not tested ‡ Not tested ‡ Not tested ‡ Not tested ‡
Microbial - Total aerobic microbial count - Total yeast & mould count - Bile tolerant gram negative bacteria - *Escherichia coli* - *Staphylococcus aureus* - *Salmonella spp.*	 ≤10^4cfu/g ≤10^2cfu/g ≤10^2org/g Absent/g Absent/g Absent/10g	As per Ph. Eur./ BP	 Not tested ‡ Not tested ‡ Not tested ‡ Not tested ‡ Not tested ‡ Not tested ‡
Pesticide residuals	Complies with Ph. Eur./ BP Complies with Regulation (EC) 396/2005	As per Ph. Eur./ BP GC	Not tested ‡
Solvent residuals	Complies with Ph. Eur./ BP Complies with Directive 2009/32/EC	As per Ph. Eur./ BP GC	Conformed
Polycyclic aromatic hydrocarbons	Benzo (a) pyrene ≤100ppb PAHs 4 ≤500ppb	GC-MS/MS	Conformed
Pyrrolizidine alkaloids	Reported	LC-MS/MS	Not tested ‡
Aflatoxins	Complies with Ph. Eur./ BP Complies with Regulation (EC) 1881/2006	HPLC-MS	Not tested ‡
Standardisation (w/w)	*trans*-Resveratrol 50.0% (45.0-60.0%)	HPLC	52.9%

* Result obtained from contract manufacturer analysis
‡ Not tested this batch, rotational testing as per SOP022 (valid edition)

Award winning extracts proudly brought to you by

Certificate of Analysis

Designed and engineered in Australia
Manufactured on behalf of and under supervision by [redacted], part of IMCD in China at site NN672

Authority to release: [redacted]

Signature of authorised person: [redacted]

Date: [redacted]

HPTLC Laboratory Report

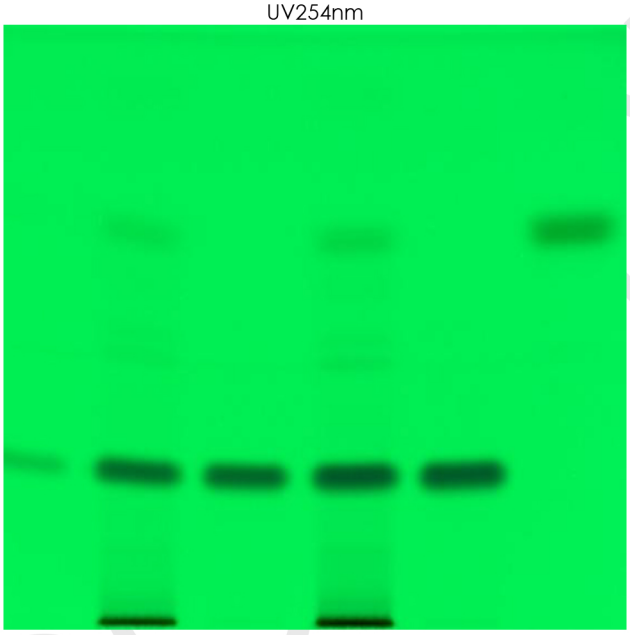
STRICTLY CONFIDENTIAL. Not to be disclosed to third parties without the express written consent of IMCD.	
Code:	
Lot Number:	
Trade name:	ResveratrOx®50
Scientific name:	*Fallopia japonica*
Common name:	Giant Knotweed
Plant part used:	Root (dry)
Preparation type:	Extract dry concentrate standardised
Final extract ratio:	200:1

HPTLC analytical method document reference: NNFJ20050-HPTLC
(valid edition)
Authenticated crude herb reference number: SMNNFJ20050-003-200702

Extract batch produced from authenticated crude herb: NNFJ20050-1908120-09

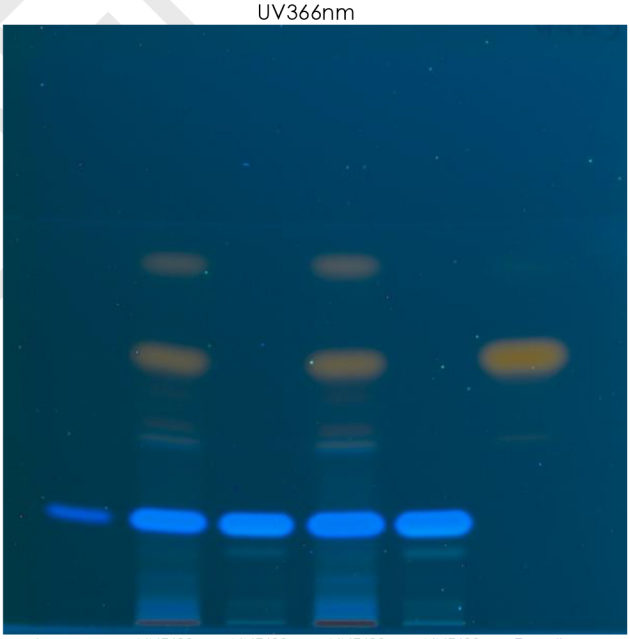
HPTLC reference chromatogram(s) for the authenticated extract and released batch:

UV254nm



trans-Resveratrol (2.0µl) | NNFJ20050-1908120-09 (2.0µl) | NNFJ20050-2509107-23 (2.0µl) | NNFJ20050-1908120-09 (3.0µl) | NNFJ20050-2509107-23 (3.0µl) | Emodin (3.0µl)

UV366nm



trans-Resveratrol (2.0µl) | NNFJ20050-1908120-09 (2.0µl) | NNFJ20050-2509107-23 (2.0µl) | NNFJ20050-1908120-09 (3.0µl) | NNFJ20050-2509107-23 (3.0µl) | Emodin (3.0µl)

Results and conclusion: Test chromatograms display bands present in the reference lanes. Bands identified in the test chromatograms are consistent with the chromatograms of the authenticated reference.
The identity of this batch is confirmed.

CERTIFICATE OF ANALYSIS

Scientific name:	*Crocus sativus*	Batch:	
Country of origin:	Spain	Product code:	
Plant part used:	Stigmas	Manufacturing date:	
Extraction solvents:	Water	Expiry date:	
Composition:	Native extract and maltodextrin		
Appearance:	Dark orange powder with characteristic odor and taste		

ASSAY	METHOD	SPECIFICATION	RESULT
Identification (1)	HPLC-DAD / TLC	Positive	Conform
Affron® profile (1)	HPLC-DAD	Positive	Conform
Lepticrosalides® (1)	HPLC-DAD	> 3.5%	4.42%
Bulk density (1)	EP 2.9.34 / USP 616	> 0.3 g/ml	0.48 g/ml
Ash (1)	EP 2.4.16 / USP 281	< 8%	1.58%
Loss on drying (1)	EP 2.8.17 / USP 731	< 8%	3.91%
Particle size (1)	EP 2.9.12 / USP 786	250 µm / 60 mesh	Conform
MICROBIOLOGY		EC 2073/2005 & EP 5.1.8*	
TAMC (1)	EP 2.6.12/2.6.13/2.6.31 USP 61/62	< 10 000 CFU/g	Conform
TYMC (1)		< 100 CFU/g	Conform
Bile tolerant GNB (2)		< 100 CFU/g	Conform
E. coli (2)		Absence (1 g)	Conform
S. aureus (2)		Absence (1 g)	Conform
Salmonella spp (2)		Absence (25 g)	Conform
L. monocytogenes (2)	EN/ISO 11290	Absence (25 g)	Conform
CONTAMINANTS (2)		EC 915/2023 & modifications	
Lead (Pb)	ICP-MS	< 3.0 ppm	Conform
Arsenic (As)		< 1.0 ppm	Conform
Cadmium (Cd)		< 1.0 ppm	Conform
Mercury (Hg)		< 0.1 ppm	Conform
PAH BaP	GC-MS/MS	< 10 ppb	Conform
PAHs Σ BaP, BaA, BbF, CHR		< 50 ppb	Conform
Aflatoxin B1	HPLC-MS/MS	< 5 ppb	Conform
Aflatoxins Σ B1, B2, G1, G2		< 10 ppb	Conform
Melamine	HPLC-MS/MS	< 2.5 ppm	Conform
Pyrrolizidine alkaloids	HPLC-MS/MS	< 400 ppb	Conform
PESTICIDES (2)		EC 396/2005 & modifications	
Pesticides residues	HPLC & GC-MS/MS	According to regulation	Conform

- Packaging: food grade LDPE or PA/PE bags.
- Shelf life: 36 months if stored sealed in the original container at room temperature (<25ºC), sheltered from light and moisture (<60% RH).
- Control plan frequency: (1) analyzed on each production batch, (2) analyzed externally once a year, on the ingredient or the raw materials.
- *According to EP, products must meet the acceptance criteria or at least the maximum acceptable count tolerated described on this monograph.
- Natural variations in the raw material may lead to color variations from batch to batch but without affecting the quality and efficacy of the product.