INSOLENT [LABS]

THE RAPTOR COMPANY
65, rue Réaumur
75002 PARIS

A l'attention de
Monsieur Ismail OUSLIMANI

Paris, le 13 décembre 2022

Objet : **BERSERK FUEL**
LIBERATION DES LOTS
Service Qualité
Certification

Monsieur,

Nous vous confirmons la libération du lot de BERSERK FUEL numéro K-22-100 en date du 13/12/2022.

Ce lot est certifié conforme en tous points, et est libéré pour sa commercialisation.

Nous attestons que l'ensemble de ce lot a été produit en France et vous remercions de bien vouloir trouver en pièce(s) jointe(s) :

- MASTER FILE PRODUIT

Nous vous remercions pour votre confiance,
Bien cordialement,

INSOLENT [LABS]
41, rue Boissy d'Anglas
75008 PARIS
RCS PARIS 920 229 655

Le Pharmacien Responsable Qualité

INSOLENT [LABS]

THE RAPTOR COMPANY
RAPTOR NUTRITION
GAMME EQUILIBRE
BERSERK FUEL

PRODUCT MASTER FILE

41, RUE BOISSY D'ANGLAS . 75008 PARIS . RCS PARIS 920229655

Liberté • Égalité • Fraternité
RÉPUBLIQUE FRANÇAISE

Paris, le 07/12/2022

**DIRECTION GÉNÉRALE DE LA CONCURRENCE,
DE LA CONSOMMATION ET DE LA RÉPRESSION DES FRAUDES
59 BD VINCENT AURIOL - TÉLÉDOC 223
75703 PARIS CEDEX 13**

Bureau 4A - Nutrition et information sur les denrées alimentaires
Tél : 01 44 97 31 51
Mél : bureau-4A@dgccrf.finances.gouv.fr

ATTESTATION DE DÉCLARATION D'UN COMPLÉMENT ALIMENTAIRE

La Direction générale de la concurrence, de la consommation et de la répression des fraudes (DGCCRF) atteste que :

THE RAPTOR COMPANY

a effectué, le 07/12/2022, la déclaration mentionnée à l'article 15 du décret n°2006-352 du 20 mars 2006 relatif aux compléments alimentaires pour le produit :

BERSERK FUEL
Gélule
Raptor Nutrition EQUILIBRE+

Cette déclaration est enregistrée sous le numéro : 2022-12-409

La déclaration prévue à l'article 15 du décret n°2006-352 vise à informer l'administration de la mise sur le marché d'un complément alimentaire. Elle n'a pas pour objectif de procéder à un contrôle de la conformité du produit à l'ensemble des dispositions qui lui sont applicables, notamment en matière d'hygiène ou d'information du consommateur.

Cette attestation ne constitue donc pas une garantie de conformité aux dispositions en vigueur.

Conformément aux dispositions de l'article 17 du règlement (CE) n° 178/2002 établissant les principes généraux et les prescriptions générales de la législation alimentaire et à celles de l'article L. 411-1 du Code de la consommation, il incombe à l'exploitant du secteur alimentaire de veiller à ce que le complément alimentaire qu'il met sur le marché répond aux prescriptions du droit alimentaire qui lui sont applicables.

Pour tout renseignement d'ordre général sur la procédure de déclaration des compléments alimentaires, rendez-vous sur le site de la DGCCRF à l'adresse suivante :

http://www.economie.gouv.fr/dgccrf/Securite/Produits-alimentaires/Compléments-alimentaires

.GOUV.FR

Flasher le QR-Code ou saisir le code de vérification du document **yvh8BS** sur le site https://teleicare.dgccrf.finances.gouv.fr/verif/yvh8BS

INSOLENT [LABS]

Général	
Date début de production :	12/12/2022
Date fin de production :	13/12/2022
DLUO :	14/12/2025

Préparation	
Quantité demandée :	**390 000**
Quantité total engagée :	390 000
Perte :	0 %

Contenant	
Qualité :	HPMC
Taille :	T.1
Couleur :	TR.

Composition

Ingrédient	Quantité / Unité	Perte	Quantité à produire	Quantité prélevée	N° Lot
EXS-Guarana 22%	100 Mg	0 %	39 000 g	39 000 g	202210171744
EXS Ginseng 20%	60 Mg	0 %	23 400 g	23 400 g	202112062
PDR-Gelée royale lyoph.	50 Mg	0 %	19 500 g	19 500 g	NI2022049-073
EXS-Gingembre 4/1	16,667 Mg	0 %	6 500,13 g	6 500,13 g	202202172017
VIT-Vit. C (acide ascorb.)	33,334 Mg	0 %	13 000,26 g	13 000,26 g	HPB2109168
AD-Maltodextrine	40 Mg	0 %	15 600 g	15 600 g	21
Total (Mise en Oeuvre)	**300 Mg**		**117 000,39 g**		

Contenant	Quantité	N Lot Fourn.
G-Vg-1-Transp	25 000	VP1A051A051-224008
G-Vg-1-Transp	365 000	VP1A051A051-223602

Fabrication

Informations	
Opérateur :	**MC**
Vitesse :	

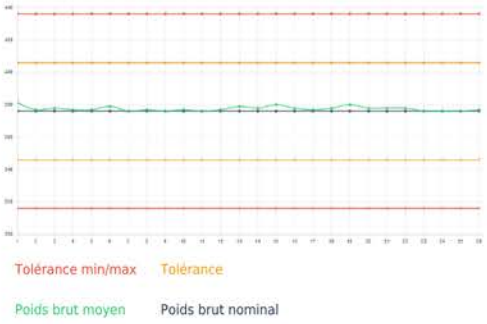
Poids	
Poids net :	300 Mg
Contenant poids :	76 Mg
Poids brut nominal :	376 Mg

Tolérance	
Tolérance / Poids net :	-10% / +10%
Soit poids unitaire brut :	>346Mg & <406Mg

Relevés

Contrôle Poids Bruts moyens (Lot de 10 gélules) :
381,377,378,377,377,379,376,377,376,377,376,377,379,378,380,378,377,378,380,378,378,378,376,376,376,377

INSOLENT [LABS]



Poids moyen sur 10 gélules (Mesure 26)	
Poids brut :	378 Mg
Poids net :	**302 Mg**

Contrôle Uniformité de masse : Mesures : 260	
< 346 Mg : (0 %)	**< 406 Mg : (0 %)**
< 316 Mg : (0 %)	**< 436 Mg : (0 %)**

Quantité théorique à obtenir :	387 419
Quantité unité reg. machine :	
Quantité nette à obtenir :	**387 419**

Quantité produite :	**381 300**
Rendement :	**98%**

INSOLENT [LABS]

PRODUCT SPECIFICATIONS

Product: **GUARANA, DRY EXTRACT, 22% CAFFEINE**
Product Code: N20107627
Botanical name: *Paullinia cupana Kunth*
Plant Part Used: Seed
Excipients: Caffeine
Description: Fine powder with characteristic odor and taste.**

ANALYSIS	SPECIFICATION	METHODS
Assay (%)	Min 22,0 Caffeine	HPLC
Loss on drying (%)	≤ 5,0	Eu. Pharm c.v. (2.8.17)
Bulk density (g/ml)	≥ 0,3	Eu. Pharm c.v. (2.9.34)
Particle size (%)	Min 90% < 250 microns	Eu. Pharm c.v. (2.9.12)
Residual solvents		
Ethanol (ppm)	< 5000	Eu. Pharm c.v. (2.4.24)
Microbiology		
TAMC (cfu/g)	≤ 1000	Eu. Pharm c.v. (2.6.12)
TYMC (cfu/g)	≤ 100	Eu. Pharm c.v. (2.6.12)
Bile-tolerant gram-negative bacteria (cfu/g)	≤ 100	Eu. Pharm c.v. (2.6.31)
Escherichia coli (1 g)	Absence	Eu. Pharm c.v. (2.6.31)
Salmonella (25 g)	Absence	Eu. Pharm c.v. (2.6.31)
Polycyclic aromatic hydrocarbons (PAHs) *		
Benzo(a)pyrene (ppb)	≤10	GC - MS
PAH4 (Sum of (benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene (ppb)	≤ 50	GC-MS
Heavy metals*		
Lead (ppm)	≤ 3,0	Eu. Pharm. v.v. (2.4.27)
Arsenic (ppm)	≤ 2,0	Eu. Pharm. v.v. (2.4.27)
Mercury (ppm)	≤ 0,1	Eu. Pharm. v.v. (2.4.27)
Cadmium (ppm)	≤ 1,0	Eu. Pharm. v.v. (2.4.27)
Pesticides*	According to Regulation (EC) Nº 396/2005 and amendments	SANTE/12682/2019

Storage: Store in dry place and keep away from strong light and heat

Observations: * These parameters are determined in every three batches and at least once a year 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.

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Certificate of Analysis

Product	Ginseng Korean Extract 20% Ginsenosides
CCL Product Code	P07117

Batch Number	202112062
Date of Manufacture	20/12/2021
Re-Test Date	19/12/2023
Ratio of Material	10:1
Solvent used	70% Ethanol and 30% water
Source	Ginseng Korean

Suitable for Vegetarians	Yes
Suitable for Vegans	Yes

Specification Details

Test	Specification	Result
Appearance	Fine powder	Powder
Colour	Light Yellow to Off White	Light yellow
Aroma	Characteristic	Conforms
Flavour	Characteristic	Conforms
Identification (TLC)	Positive	Conforms
Assay (UV)	Ginsenosides Min 20.0%	20.5%
Sieve Analysis	Min 95% through 80mesh	100% through 80 Mesh
Ash	Max 5%	0.1%
Loss on Drying	Max 5%	3.7%
Bulk Density	0.35~0.65g/ml	0.44g/ml
Tapped density	0.45~0.75g/ml	0.58g/ml
Specific gravity	0.35-0.75	0.44

Microbiological Limits

Total Viable Count	Max 10,000cfu/g	<10Cfu/g
Yeasts & Moulds	Max 1,000cfu/g	<10Cfu/g
E. Coli	Negative/10g	Negative/10g
Salmonella	Negative/25g	Negative/25g
Coliform	Negative/10g	Negative/10g
Staphylococcus aureus	Negative/10g	Negative/10g

Committed to meeting quality standards. BRC Food Safety . FEMAS . FSMA . Informed Manufacturer. Soil Association Organic . Halal . Kosher .

INSOLENT [LABS]

Heavy Metal Limits

Total Heavy metals	Max 10ppm	<10ppm
Lead (Pb)	Max 3ppm	<0.05ppm
Cadmium (Cd)	Max 1ppm	<0.05ppm
Mercury (Hg)	Max 0.1ppm	<0.005ppm
Arsenic (As)	Max 1ppm	<0.005ppm

GMO Status	Non GMO	Non GMO
Irradiation Status	Non Irradiated	Non Irradiated
TSE/BSE Status	TSE/BSE Free	TSE/BSE Free

This material conforms to the USP Standard.

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

Please note that surveillance testing may mean that not all the parameters stated on this specification are tested for every batch.

We confirm that the information above is sourced from the original manufacturers/suppliers Batch Certificate of Analysis.

The specifications detailed in this COA conform with Version 6 of our Technical Dossier for Ginseng Korean Extract 20% Ginsenosides

To be used as per local legislation.

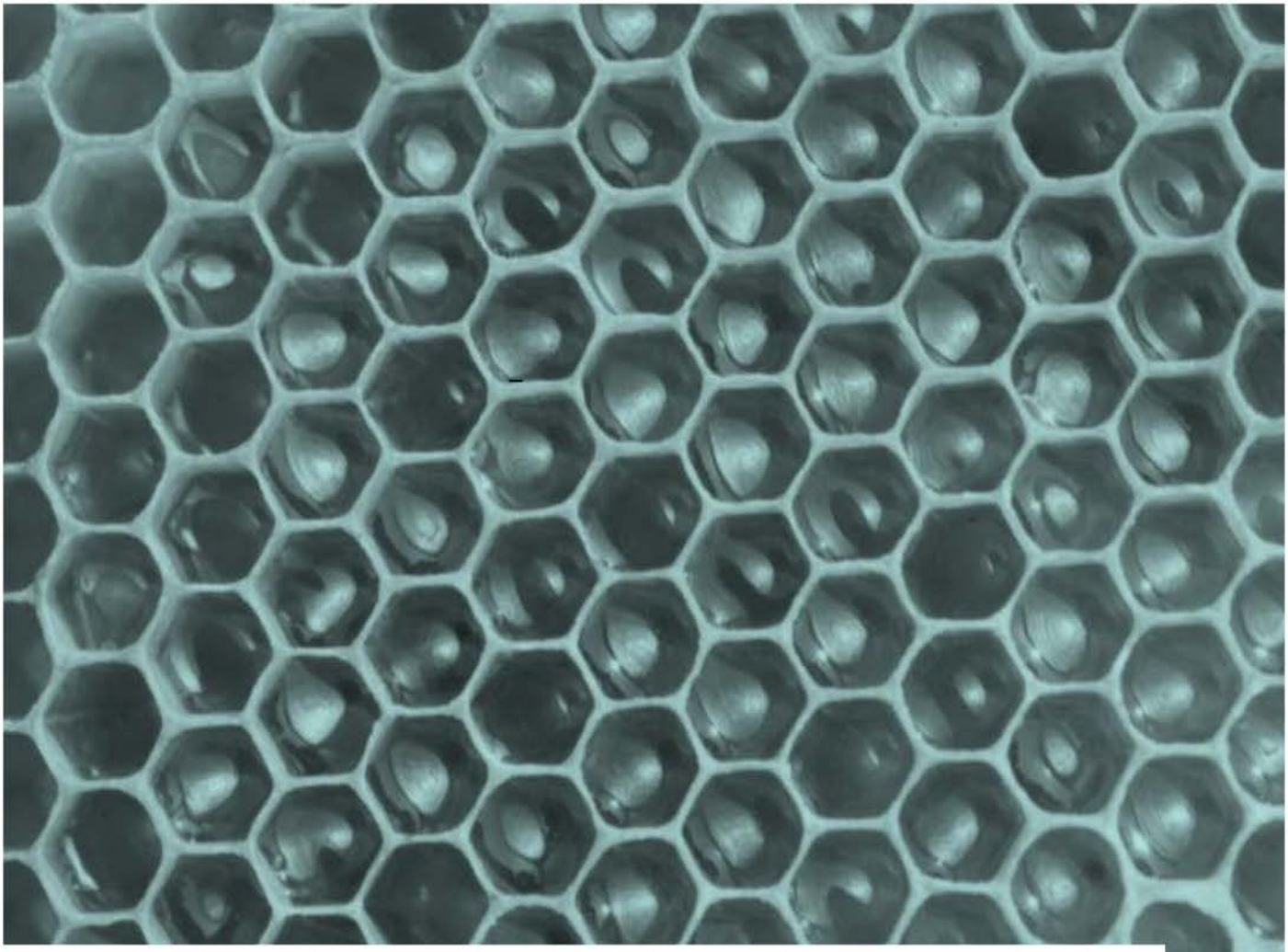
Change History

Version	Change	Customer Notification required Yes / No
1	First Issue	N/A

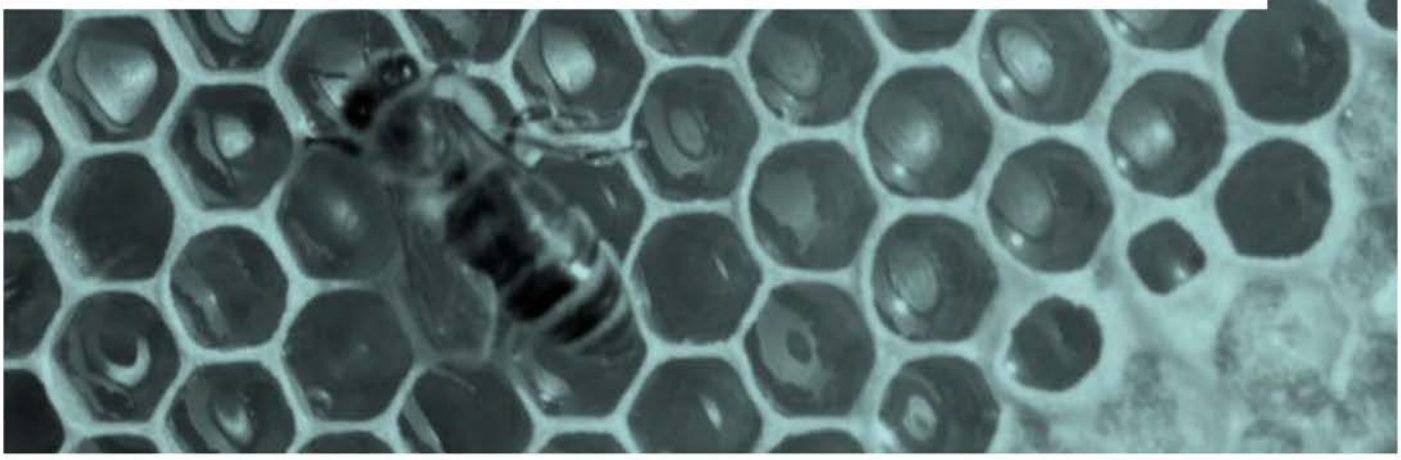
INSOLENT [LABS]

FICHE TECHNIQUE

Specification sheet



LYOPHILIZED ROYAL JELLY POWDER



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FICHE TECHNIQUE
Specification sheet

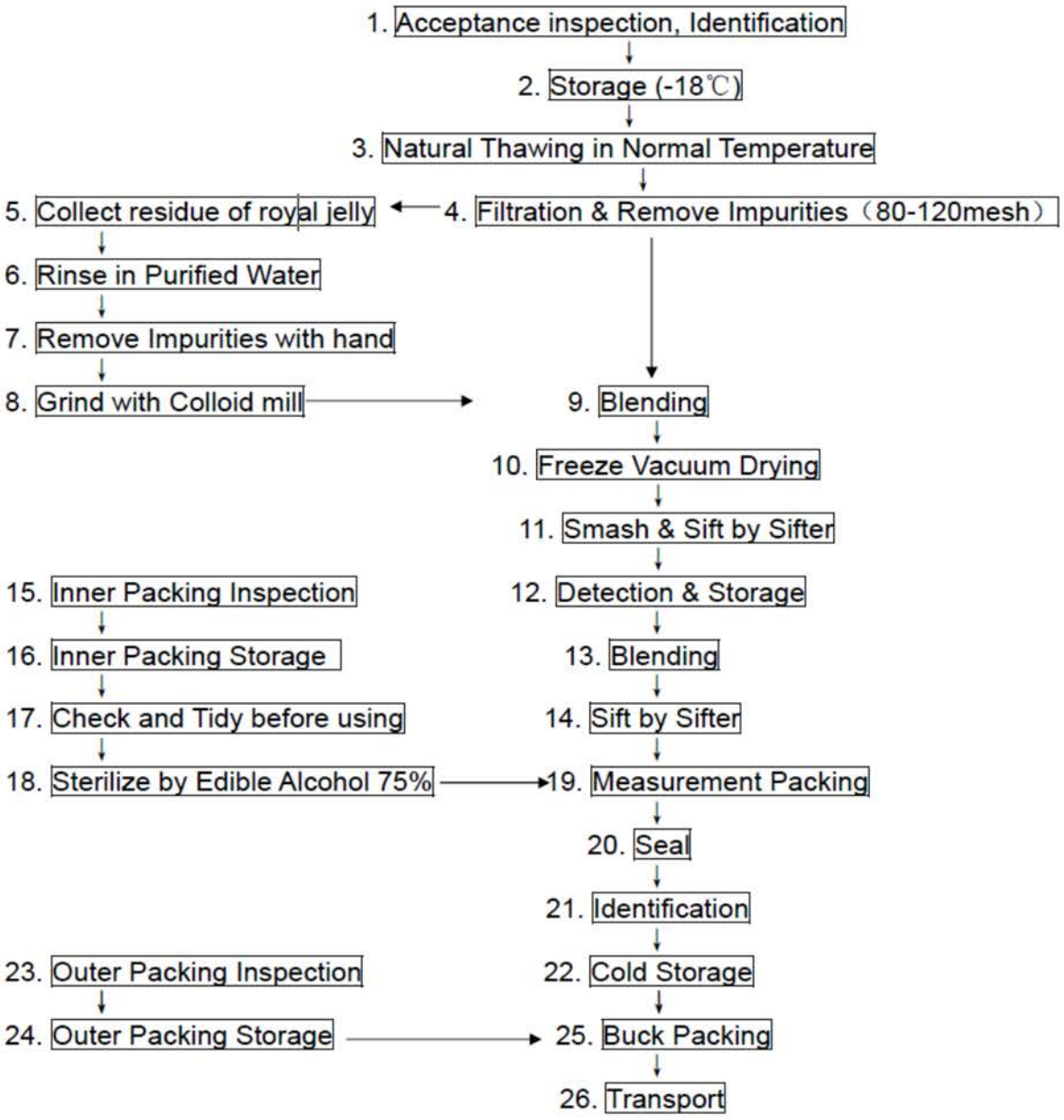
Documents Qualité - Quality documents

FICHE TECHNIQUE
Specification sheet

Informations techniques
Specification sheet

CAS N°	/
Scientific name	Lyophilized royal jelly powder
Origin	Natural
Natural from:	Bee product

PROCESS DE FABRICATION
Flow chart



INSOLENT [LABS]

FICHE TECHNIQUE
Specification sheet

DONNEES ANALYTIQUES
Analytical data

Analysis	**Specification**
Appearance	Light-yellow / milk white powder
Moisture	NMT 5%
Assay	NLT 1.5% 10-HDA by HPLC NLT 15% protein by Kjeldahl method
Foreign matter	NMT 0.01%
Ash	0.5-0.9%
Métaux lourds / Pureté (Heavy Metals / Purity)	
Lead (Pb)	NMT 3 ppm
Arsenic (As)	NMT 2 ppm
Cadmium (Cd)	NMT 1 ppm
Mercury (Hg)	NMT 0.1 ppm
Chloramphenicol	NMT 0.3 ppb
Nitrofurans & Metabolites	NMT 1 ppb
Fluoroquinolones	NMT 10 ppb
Sulphonamides	NMT 10 ppb
Tetracyclines	NMT 10 ppb
Nitroimidazoles	NMT 1 ppb
Microbiologie (Microbiology)	
Total Plate Count	NMT 20 000 cfu/g
Yeast & Mould	NMT 200 cfu/g
Coliform	NMT 30 MPN/100g
E. Coli	Negative
Salmonella	Negative
Données réglementaires (regulatory data)	
Ce produit est destiné à être utilisé dans des compléments alimentaires. Il appartient au client de vérifier ses conditions d'utilisation selon les règlementations en vigueur.	
This product is intended to be used in food supplements. It is up to the final user to determine its terms of use, according to the applicable regulations.	
Conservation et durée optimale d'utilisation (Storage & Shelf life)	
Packaging	Suitable for food industry
Storage	In a cool and dry place away from light. Do not freeze
Shelf life	2 years if stored in accordance with recommendations

Certificat Allergène
Allergen certificate

List of allergens according to Directive 2003/89/EC amending Directive 2000/13/EC and Directive 2006/142/CE as regards indication of the ingredients present in foodstuffs.

Product name	**Lyophilized royal jelly powder**	
Allergens	Presence (Yes/No)	Quantity (ppm) In case of presence
-Celery and product thereof	No	
-Cereals containing gluten (i.e wheat, rye, barley, oats, spelt, kamut or their hybridized strains) and products thereof except : see regulation 1169/2011	No	
-Crustaceans and products thereof	No	
-Eggs and products thereof	No	
-Fish and products thereof except : see regulation 1169/2011	No	
-Lupin and products thereof	No	
-Milk and products thereof (including lactose) except : see regulation 1169/2011	No	
-Molluscs and products thereof	No	
-Mustard and products thereof	No	
-Nuts and product thereof except : see regulation 1169/2011 *-Almond (amygdalus communis)* *-Brazil nut (Bertholletia excels)* *-Cashew (Anacardium occidentale)* *-Hazelnut (Coryllus avellana)* *-Macadamia nut and Queensland nut (Macadamia ternifolia)* *-Pecan nut (Carya illinoiesis (Wangenh.) K. Kock)* *-Pistachio nut (Pistacia vera)* *-Walnut (Juglans regia)*	No	
-Peanuts and products thereof	No	
-Sesame seeds and products thereof	No	
-Soybean and products thereof except : see regulation 1169/2011	No	
-Sulphur dioxide and sulphites at concentrations of more than 10mg/kg or 10mg/L expressed as SO_2	No	

FICHE TECHNIQUE
Specification sheet

Certificat Non OGM
GMO free certificate

Par la présente, nous certifions que la matière première ci-dessous est garantie sans OGM.

Lyophilized royal jelly powder

The product above does not have to be declared or labelled as « GMO », containing or consisting of GMO's or produced from GMOs in accordance with Regulations (EC) No. 1829/2003 and 1830/2003 on genetically modified food and feed.

- Regulation (EC) No.1829/2003 of the European Parliament and the Council of 22nd September 2003 on genetically modified food and feed
- Regulation (EC) No.1830/2003 of the European Parliament and the Council of 22nd September 2003 concerning tractability and labeling on genetically modified organisms and tractability of food and feed products produced from genetically modified organisms and amending Directive 2001/18/EC.

Certificat de Non Irradiation
Irridiated free certificate

Par la présente nous certifions que le produit ci-dessous n'a pas été irradié

Lyophilized royal jelly powder

We hereby certify that the product above has not been irradiated.

- According to directives 1992/2/EC and 1999/3/EC

INSOLENT [LABS]

FICHE TECHNIQUE
Specification sheet

Absence de BSE – TSE *
BSE - TSE certificate

Par la présente nous certifions que le produit ci-dessous ne contient aucune trace de BSE - TSE.

Lyophilized royal jelly powder

We hereby certify that the product above is BSE - TSE Free.

**= Encéphalopathies spongiformes transmissibles (TSE), encéphalopathie spongiforme bovine (BSE)*

Certificat d'absence de nano-particules
Nano particles free certificate

Par la présente nous certifions que le produit ci-dessous ne contient pas de nano-particules.

Lyophilized royal jelly powder

We hereby certify that the product is above does not contain any nano-particles

-According to EU regulation (EU) N° 1169/2011 of the European Parliament and of the council of 25 October 2011.

Fiche de sécurité
MSDS

Material safety data sheet contains information about employee health protection and safety. MSDS apply to dangerous substances and blends containing dangerous substances. MSDS aim at keeping the uses attention on the dangers and the caution related to the product and its conservation.

Currently, this product does not belong to the list of dangerous substance of directive 1272/2008.

This product cannot be considered as dangerous regarding its carrying.

Consequently, this product does not need a material safety data sheet. The usual safety measures must be observed in the event of handling of chemicals.

INSOLENT [LABS]

PRODUCT SPECIFICATIONS

Product: **GINGER, DRY EXTRACT, RATIO 4:1**
Product Code: N20103503
Botanical name: *Zingiber officinalis*
Plant Part Used: Rhizome
Description: **
Observations: Ratio 4:1. Extraction solvent: Ethanol/Water

ANALYSIS	SPECIFICATION	METHODS
Identification	Conforms to standard	HPLC
Loss on drying (%)	≤ 5,0	Eu. Pharm c.v. (2.8.17)
Bulk density (g/ml)	≥ 0,3	Eu. Pharm c.v. (2.9.34)
Particle size (%)	Min 95% < 250 microns	Eu. Pharm c.v. (2.9.12)
Residual solvents		
Ethanol (ppm)	< 5000	Eu. Pharm. v.v. (2.4.24)
Microbiology		
TAMC (cfu/g)	≤ 10000	Eu. Pharm. v.v. (2.6.12)
TYMC (cfu/g)	≤ 100	Eu. Pharm. v.v. (2.6.12)
Bile-tolerant gram-negative bacteria (cfu/g)	≤ 100	Eu. Pharm. v.v. (2.6.31)
Escherichia coli (1 g)	Absence	Eu. Pharm. v.v. (2.6.31)
Salmonella (25 g)	Absence	Eu. Pharm. v.v. (2.6.31)
S. aureus (cfu/g)	Absence	Eu. Pharm c.v. (2.6.31)
Polycyclic aromatic hydrocarbons (PAHs) *		
Benzo(a)pyrene (ppb)	≤10	GC - MS
PAH4 (Sum of (benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene (ppb)	≤ 50,0	GC-MS
Heavy metals*		
Lead (ppm)	≤ 3,0	Eu. Pharm. v.v. (2.4.27)
Arsenic (ppm)	≤ 2,0	Eu. Pharm. v.v. (2.4.27)
Mercury (ppm)	≤ 0,1	Eu. Pharm. v.v. (2.4.27)
Cadmium (ppm)	≤ 1,0	Eu. Pharm. v.v. (2.4.27)
Pesticides*	According to Regulation (EC) Nº 396/2005 and amendments	SANTE/12682/2019

Storage: Store in dry place and keep away from strong light and heat
Country of origin: Spain
Observations: * These parameters are determined in every three batches and at least once a year 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.

ASCORBIC ACID (VIT C)

PRODUCT SPECIFICATION

Product Name	INCI Name	EINECS Number	CAS Code
ASCORBIC ACID (VIT C)	ascorbic acid	200-066-2	50-81-7

Characteristic	White or almost crystalline powder or colourless crystals
Identification	Positive reaction
Melting point	About 190I
Specific rotation	+20.5° ~ +21.5°
pH	2.1 ~ 2.6 (in 5% solution)
	2.4 ~ 2.8 (in 2% solution)
Residue on ignition	≤0.1%
Assay	99.0% ~ 100.5%
Loss on Drying	≤0.15%
*Heavy metals	≤10ppm
Lead	≤2ppm
Mercury	≤0.1ppm
Clarity of solution	Clear
Color of solution	≤BY7
Impurity E	≤0.3%
Copper	≤5ppm
Iron	≤2ppm
Arsenic	≤1ppm
Cadmium	≤1ppm
Residual solvents	Meets requirement

ASCORBIC ACID (VIT C)

PRODUCT SPECIFICATION

Total viable count	1000 CFU/g
Yeasts	100 CFU/g
Moulds	100 CFU/g
E. coli (inc E coli 0157)	Negative

ASCORBIC ACID (VIT C)

GENERAL PRODUCT INFORMATION

Mesh of the product	About 70% within 20-100 mesh
Water solubility	Freely soluble in water
Are the product and its ingredients FREE of GLUTEN?	Yes
Product is suitable for vegans	Yes
Product is suitable for vegetarians	Yes
Is this product suitable for food?	Yes
Can the product be used in baby food (According to Directive 2006/141/CE)?	No
Pharmacopoeias that the product meets	No Pharmacopoeia
Drug indication	N/A
Melting Point	189-193 ºC
Storage conditions (during the transport/short term)	Ambient
Storage conditions (in the warehouse)	Store in cool, dry conditions, away from direct sunlight.

ASCORBIC ACID (VIT C)

TECHNICAL PRODUCT INFORMATION

Name of the product	Vitamin C Regular
IUPAC name	L-Ascorbic acid
ATC Code	N/A
Molecular Formula	C6H8O6
Stereochemistry	(L-)
Raw materials used and their function	D-sorbitol is used as starting material. – Please refer to Flow Chart attached for further process steps.
Frequency of analysis of each contaminant?	Data not available
Frequency of analysis of microbiology?	Heavy metals: Once every month, Microbiology: Data not available
Frequency of analysis of each heavy metal?	Heavy metals: Once every month, Microbiology: Data not available

ASCORBIC ACID (VIT C)

FOREIGN BODIES

Explanation about control of foreign bodies during the manufacturing process:

Metal detector	Yes
Sieve	Yes
Filter	Yes
X-Ray	No
Other	Yes

ASCORBIC ACID (VIT C)

BSE/TSE

The product does not contain and is not derived from Specified Risk Material as defined in the European Commission Directive and it is conform with the EU legislation relating to the risk of Transmission of Spongiform Encephalopathy (TSE).

GMO

The following EU regulations have been published in the Official Journal of the European Union:
- Regulation (EC) No.1829/2003 of the European Parliament and the Council of 22 September 2003 on genetically modified food and feed.
- Regulation (EC) No.1830/2003 of the European Parliament and the Council of 22 September 2003 concerning tractability and labeling on genetically modified organisms and tractability of food and feed products produced from genetically modified organisms and amending Directive 2001/18/EC.
This product has not been genetically modified so there is no obligation of GMO labeling as defined by the above mentioned regulations.

NON IRRADIATION/NON IONIZED

According to directives 1992/2/EC and 1999/3/EC, we confirm the product is not made from irradiated/ionized raw materials or was irradiated/ionized.

ASCORBIC ACID (VIT C)

PESTICIDES

To our actual knowledge of production process, raw materials and equipment used, potential pesticide residues in the above mentioned product comply with the European legislation on pesticide residues, esp. Regulation (EC)None. 396/2005. However, we do no test for pesticide residues on a routine basis.

CONTAMINANTS

The product is in accordance and meets with the commission regulation (EC) No.629/2008 of 2 July 2008 amending regulation (EC) No.1881/2006 setting maximum levels for certain contaminants in foodstuffs.

ANTI-DOPING

As per the list of 2016 of the World Anti-Doping Agency, the ingredient is not a doping substance or a combination of doping substances. The ingredient does not contain any doping substance. The ingredient does not result from a doping substance.

NANOMATERIALS

According to the the definition of 'nanomaterials' of the UE REGULATION (EU) No 1169/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 25 October 2011 on the provision of food information to consumers, we hereby attest that no nanomaterials are used in the formulation nor in the packaging materials of our product.

ASCORBIC ACID (VIT C)

PACKING

We confirm that the packing used is in compliance with:

- Commission Directive 2002/72/EC of 6 August 2002 relating to plastic materials and articles intended to come into contact with foodstuffs.
- Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC.
- Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food.

ASCORBIC ACID (VIT C)

ALLERGENS

In accordance with the Directive 2003/89/EC and Council amending Directive 2000/13/EC and taking Directive 2005/26/EC, Directive 2005/63/EC and Directive 2006/142/EC of 22.12.2006 into consideration, we confirm the following information:

Note: Does the raw material CONTAIN or is it DERIVED from or could it be CROSS-CONTAMINATED by any of the following.

Cereals containing gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains) and products thereof	No
Crustaceans and products thereof	No
Eggs and products thereof	No
Fish and products thereof	No
Peanuts and products thereof	No
Soybeans and products thereof	No
Milk and products thereof (including lactose)	No
Nuts (i.e. almond, hazelnut, walnut, cashew, pecan nut, Brazil nut, pistachio nut, macadamia nut and Queensland nut) and products thereof	No
Celery and products thereof	No
Mustard and products thereof	No
Sesame seeds and products thereof	No
Sulphur dioxide and sulphite at concentrations of more than 10 mg/kg or 10 mg/l expressed as SO2	No
Lupine and products thereof	No
Molluscs and products thereof	No

ASCORBIC ACID (VIT C)

NUTRITIONAL INFORMATION

The values given are approximate
Protein 0
Fat (of which) 0
- Saturated fatty acids 0
- Mono unsaturated fatty acids 0
- Polyunsaturated fatty acids 0
- Trans fats 0
Cholesterol 0
Carbohydrates (of which) 0
- Sugars 0
- Starch 0
- Polyols 0
Dietary fibre 0
Ethyl Alcohol 0
Organic Acids 100g
Calorific Value (kcal) 0
Energetic value (kj) 0
Moisture Content 0.1% max Loss on drying
Sodium 0

HYGIENE OF FOODSTUFFS

For the product/s mentioned above, we herewith certify that the production complies with regulation (EC) No. 852/2004 of the European parliament on the hygiene of foodstuffs and all its amendments.

FACTORY ACCREDITATIONS/CERTIFICATIONS

ISO 9001	Yes
ISO 22000	Yes
GMP	Yes
Other accreditations/certifications	HALAL, KOSHER

NON ANIMAL TESTING

We certify that the product has not been tested on animals for cosmetic purposes.

ASCORBIC ACID (VIT C)

MSDS (Material Safety Data Sheet)

1. Identification of the substance/mixture and of the company/undertaking
Product Name: ASCORBIC ACID (VIT C)
CAS Number: 50-81-7

2. Hazards identification
2.1. Classification of the substance or mixture
Hazard Class and Category Code(s), Regulation (EC) No 1272/2008
(CLP) Not classified.
Classification EC 67/548 or EC 1999/45
Not classified.
2.2. Label elements
Labelling Regulation EC 1272/2008 (CLP)
Not classified.
Precautionary statements

• Prevention : P280: Wear eye protection, face protection. P264: Wash thoroughly after handling.
• Response : P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical advice/attention.
Labelling EC 67/548 or EC 1999/45
Not classified.
S Phrase(s) : S22 : Do not breathe dust.
2.3. Other hazards
Other hazards : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

3. Composition/information on ingredients
Substance / Preparation :
Ascorbic acid
CAS No :50-81-7
EC No :200-066-2
Substance.
Contains no other components or impurities which will influence the classification of the product.

ASCORBIC ACID (VIT C)

MSDS (Material Safety Data Sheet)

4. First aid measures
4.1. Description of first aid measures
Inhalation : Assure fresh air breathing. Allow the victim to rest.
Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
Eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists : Get medical advice. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
Ingestion : Do NOT induce vomiting. Rinse mouth. Obtain emergency medical attention.
4.2. Most important symptoms and effects, both acute and delayed
4.3. Indication of any immediate medical attention and special treatment needed
General information : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

5. Fire-fighting measures
5.1. Extinguishing media
Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.
Surrounding fires : Use water spray or fog for cooling exposed containers.
5.2. Special hazards arising from the substance or mixture
Hazardous combustion products : Under fire conditions, hazardous fumes will be present.
5.3. Advice for fire-fighters
Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.
Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

6. Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
For emergency responders : Equip cleanup crew with proper protection. Ventilate area.
For non-emergency personnel : Evacuate unnecessary personnel.
6.2. Environmental precautions
Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
6.3. Methods and material for containment and cleaning up
Clean up methods : Store away from other materials. On land, sweep or shovel into suitable containers. Minimize generation of dust.
6.4. Reference to other sections
See section 8. Exposure controls/personal protection

7. Handling and storage
7.1. Precautions for safe handling
Handling : Wash thoroughly after handling.

ASCORBIC ACID (VIT C)

MSDS (Material Safety Data Sheet)

Technical protective measures : Provide good ventilation in process area to prevent formation of vapour.
7.2. Conditions for safe storage, including any incompatibilities
Storage : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.
Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight.
7.3. Specific end use(s)
Specific end use(s) : See section 1.

8. Exposure controls/personal protection
8.1. Exposure controls
Personal protection : Avoid all unnecessary exposure.
• Respiratory protection : Wear approved mask.
• Hand protection : Wear protective gloves.
• Eye protection : Chemical goggles or safety glasses.
8. Exposure controls/personal protection (continued)
• Others : When using, do not eat, drink or smoke.
8.2. Control parameters
Occupational Exposure Limits : No data available.

9. Physical and chemical properties
For this information, please, refer directly to the Certificate of Analysis OR Specifications

10. Stability and reactivity
10.1. Reactivity
Reactivity : Not established.
10.2. Chemical stability
Chemical stability : Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions
Hazardous reactions : Not established.
10.4. Conditions to avoid
Conditions to avoid : Direct sunlight. Extremely high or low temperatures.
10.5. Incompatible materials
Materials to avoid : Strong acids. Strong bases.
10.6. Hazardous decomposition products
Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.

11. Toxicological information

ASCORBIC ACID (VIT C)

MSDS (Material Safety Data Sheet)

11.1. Information on toxicological effects
Acute toxicity
• Inhalation : Based on available data, the classification criteria are not met.
• Dermal : Based on available data, the classification criteria are not met.
• Ingestion : Based on available data, the classification criteria are not met.
- Rat oral LD50 [mg/kg] : 11900
RTECS nr : CI7650000
Corrosion : Based on available data, the classification criteria are not met.
Sensitization : Based on available data, the classification criteria are not met.
Mutagenicity : Based on available data, the classification criteria are not met.
Carcinogenicity : Based on available data, the classification criteria are not met.
Toxic for reproduction : Based on available data, the classification criteria are not met.
STOT-single exposure : Based on available data, the classification criteria are not met.
STOT-repeated exposure : Based on available data, the classification criteria are not met.
Aspiration hazard : Based on available data, the classification criteria are not met.

12. Ecological information
12.1. Toxicity
Toxicity information : Not established.
12.2. Persistence - degradability
Persistence - degradability : Not established.
12.3. Bioaccumulative potential
Bioaccumulative potential : Not established.
12.4. Mobility in soil
Mobility in soil : Not established.
12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.
12.6. Other adverse effects
Environmental precautions : Avoid release to the environment.

13. Disposal considerations
13.1. Waste treatment methods
General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

14. Transport information
14.1. Land transport (ADR-RID)
General information : Not regulated.

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14.2. Sea transport (IMDG) [English only]
General information : Not regulated.
14.3. Air transport (ICAO-IATA) [English only]
General information : Not regulated.

15. Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.
REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.
15.2. Chemical Safety Assessment
Chemical Safety Assessment : It has not been carried out.

16. Other information
Revision : Revision - See : *
Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.
vPvB: very persistent and very bioaccumulative
Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
Further information : None.
The contents and format of this SDS are in accordance with REACH Regulation (CE) Nº 1907/2006.
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SPECIFICATION **2021021501**

MALTODEXTRIN 18

1. General information

Product name	Maltodextrin
Shelf life	2 years
Standard	**FCC / EP / USP**

Source of origin	Corn
Product code	**CH-020b01a**

2. Organoleptic requirements

Appearance	Homogeneous powder
Colour	From milky-white to light yellow
Odour	Typical, without foreign odor
Taste	Slightly sweet, typical to this product, without any foreign taste

3. Physicochemical requirements

Dextrose Equivalent	**16,0 - 20,0 %**
Moisture	**≤ 6 %**
Sulphated ash	**≤ 0,20 %**
pH in 20% suspension in water at 20^0C	**4,0 – 7,0**
SO_2	**≤ 10,0 mg/kg**
Solubility	**≥ 98,0 %**
Bulk density (loose)	**0,45-0,60 kg/dm^3**
Iodine test	Absence of blue color
Sieve analysis, granulometry (residual on sieve 200 µm)	**≤ 40,0 %**
Pb	**≤ 0,50 mg/kg**
Cd	**≤ 0,10 mg/kg**
As	**≤ 0,10 mg/kg**
Hg	**≤ 0,02 mg/kg**
Cu	**≤ 10,00 mg/kg**
Zn	**≤ 30,0 mg/kg**

4. Microbiological requirements

Total aerobic and anaerobic microbial count	**≤ 1000,0 cfu/g**
Yeast	**≤ 100 cfu/g**
Mould	**≤ 100 cfu/g**
Coliforms	**Absent cfu/0,1g**
Pathogenic microbes including Salmonella	**Absent cfu/25 g**

5. Allergens

Lp.	Allergens	Presence in the product
1.	Cereals containing gluten (i.e. wheat, rye, barley, regular oats, unhusked wheat/spelt, kamut or their hybridised strains) and products thereof	NO
2.	Crustaceans and products thereof	NO
3.	Eggs and products thereof	NO
4.	Fish and products thereof	NO
5.	Peanuts and products thereof	NO
6.	Soybeans and products thereof	NO
7.	Milk and products thereof (including lactose)	NO
8.	Nuts i.e. Almond, Hazelnut, Walnut, Cashew nut, Pecan nut, Brazil nut, Pistachio nut, Macadamia nut and Queensland nut and products thereof	NO
9.	Celery and products thereof	NO
10.	Mustard and products thereof	NO
11.	Sesame seeds and products thereof	NO
12.	Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/l expressed as SO2	NO
13.	Lupin and products thereof	NO
14.	Molluscs and products thereof	NO

6. GMO

The product is free from GMO.