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## PREAMBLE

The purpose of this questionnaire is to facilitate the exchange of information between the suppliers of raw materials intended to be used as cosmetic ingredients, and the manufacturers of cosmetic products. It presents, under a standardized format, the data which may be requested about such raw material. Such data may be unavailable or not relevant for a particular raw material.

The completion of this questionnaire does not waive any of the regulatory obligations applying to these raw materials (REACH, CLP...).

Each raw material (RM) is characterized by a commercial name, a packaging and contractual specifications related to the information provided in this questionnaire.

This information on the RM is provided by the supplier to its customer or prospect to allow them to use such RM in their own development or manufacturing of cosmetic products. Any other use of this questionnaire, without previous agreement of the supplier, will be under the sole responsibility of the authorized recipient of the information contained herein. In case any safety information listed herein is absent or insufficient, it is the sole responsibility of the legal or natural person placing the cosmetic product on the market to market its cosmetic product without such data, or to obtain them through the appropriate ways. Such legal or natural person is also responsible of the safety report required by the European Cosmetic Regulation and of any other use made of the RM.

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## I RAW MATERIAL (RM) IDENTIFICATION

### 1. GENERAL INFORMATION

#### a. Identification

**Trade name of the Raw Material: EPS SEAFILL PA**

**Ref: ALG251**

**Manufacturer: CODIF INTERNATIONAL**

**Site of Production: La Poulrière – BP1 – 35610 Roz sur Couesnon**

**Country of origin: FRANCE**

#### b. Label – Patent

- COSMOS: YES ☒ NO ☐

*If yes, please specify: **COSMOS approved** (attestation of conformity available on request)*

- RSPO: YES ☐ NO ☒

*If yes, please specify*

- HALAL: YES ☒ NO ☐

*If yes, please specify: **HALAL certified** (certificate available on request)*

Intellectual property: **PATENT** ☒ YES ☐ NO


If yes, N° FR2975910 date: 07/12/2012

#### c. Recommended usage level

Recommended use level: 1 to 2%

RM function: Active ingredient

Other information:

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## 2. PRODUCTION AND COMPOSITION

### a. Manufacturing process

Description: The product EPS SEAFILL PA reference ALG251 is an aqueous solution of exopolysaccharides produced by marine microorganisms. Finally, phenethyl alcohol is added.

Flow Chart available: YES ☒ NO ☐  
If yes, find the flow chart attached in appendix

Decontamination by irradiation treatment:  
YES ☐ NO ☒  
If yes, please find below detail:

Use of solvent: YES ☐ NO ☒  
If yes, please find below detail:


### b. Composition

Full composition (including additives) of the RM

Substance	%	Europe INCI name (COSING)	USA INCI name (PCPC)	Function : antioxidant, active, preservative, Solvent, surfactant, other	N° CAS	N° EINECS /ELINCS
1	98	AQUA	WATER	Solubilizer	7732-18-5	231-791-2
2	1	ALTEROMONAS FERMENT EXTRACT	ALTEROMONAS FERMENT EXTRACT	Active	267233-41-0	/
3	1	PHENETHYL ALCOHOL	PHENETHYL ALCOHOL	Masking agent	60-12-8	200-456-2

### Classification regarding Regulation (EC) n°1272/2008 "CLP"

Is this product classified according to the CLP regulation? YES ☐ NO ☒  
*MSDS available on separate document*

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### c. Substances data

#### Origin

Origin	Substance name	Made from	Geographical origin	Process
<input checked="" type="checkbox"/> vegetable	PHENETHYL ALCOHOL	Maize	China	Fermentation / Centrifugation /Evaporation / Concentration
<input checked="" type="checkbox"/> mineral	WATER	/	France	/
<input type="checkbox"/> synthetic				
<input checked="" type="checkbox"/> biotechnology	ALTEROMONAS FERMENT EXTRACT	Exopolysaccharide secreted by a marine micro-organism (marine bacteria)		Fermentation of <i>Alteromonas sp.</i> , centrifugation, filtration, purification
<input type="checkbox"/> animal				

#### Details for Ingredients from Vegetable Origin

Substance name	Botanical name of the plant	Part of the plant used	Cultivated and/or Wild	Plant of organic farming origin*
PHENETHYL ALCOHOL	<i>Zea mays</i>	Fruit	Cultivated	No

\*according to EC Regulation 834-2007 on ORGANIC AGRICULTURE or other one

#### RSPO for Palm derived ingredients


Substance name	kind of palm ingredients used (Palm oil, palm kernel oil, ...)	Certification grade
/	/	/

#### Reach status

INCI name	REACH STATUS (1)	Registration Number	Exemption Reason(2)
AQUA	Exempt	/	Listed Annex IV
ALTEROMONAS FERMENT EXTRACT	Exempt	/	Production < 1 T/y
PHENETHYL ALCOHOL	Registered	01-2119963921-31-XXXX	/

(1)Registered-Exempt

(2)Exemption Reason: Production/importation < 1 T/y – Listed Annex IV – Listed Annex V – Polymer

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**d. Impurities and contaminants**

RM contains the following impurities	YES	Below the limit of quantification	Chemical name	Max Content in ppm	Analysis Frequency
Heavy metals	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cr	<0.125	Development
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Co	<0.125	Development
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Ni	<0.125	Development
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	As	<0.025	Development
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cd	<0.025	Development
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sb	<0.125	Development
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pb	<0.025	Development
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Ag	<0.125	Development
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Hg	<0.025	Development
Pesticide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pesticides	<9.9µg/kg	Development
PCB	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCB	<1.0µg/kg	Development

**Other informations**

	Yes	Below the limit of quantification	Not expected due to the raw material and manufacturing process
Acrylamides			X
Asbestos			X
1.4 Dioxan			X
Diethylene glycol			X
Ethylene oxide			X
Formaldehyde and releasers			X
Gluten			X
Glycol ethers			X
Hydrocarbons			X
Iodine		<1ppm*	
Isopropyl alcohol	<0.1ppm		
Latex			X
Nitrosamides			X
Nitrosamines			X
Nonylphenol			X
Phthalates			X
Sulfites			X


\*analysis performed on a similar product reference ALG250

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## II STOCKAGE, PACKAGING, HANDLING, TRANSPORT

1. **Storage conditions:** Keep in its original closed packaging at ambient temperature (15 to 25°C)
2. **Conditions of use, limitations due to the risk of instability or interactions (maximum temperature...):** Stable in normal storage conditions. No degradation known under recommended conditions of use and storage.
3. **Is homogenization needed prior to sampling?**  
YES ☐                      NO ☒
4. **Shelf life of the raw material:** Refer to specifications data sheet
5. **Labelling / Transport and storage conditions**  
Exempt from transport classification and labelling
6. **Other information :**
  - Packaging (under nitrogen, desiccant, etc....): /
  - Handling : Manipulation in accordance with good manufacturing practices and rules of industrial hygiene, in well-ventilated areas. Hand and eye protection recommended.

*Comments:*

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### III ANALYTICAL DATA

The data which are not part of the specifications are given for information only.

#### 1. PHYSICAL CHEMICAL CHARACTERISTICS

**Protocols of analytical methods:** available ☒ attached ☐

**Aspect :**

Physical form : Liquid ☒ Solid ☐ Gas ☐  
 Particle size : /  
 Particle size distribution: /

Density :	Refer to specifications data sheet	Refraction index :	Refer to specifications data sheet
pH :	Refer to specifications data sheet	Surface tension :	/
Viscosity :	/	Hydroxyl value :	/
Iodine value :	/	Molecular weight :	/
Color :	Refer to specifications data sheet	pKa / pKb :	/
Odor :	Refer to specifications data sheet	Acidity value:	/
		Amine value :	/


**Physical constants:**

Melting temperature: / Boiling temperature : /  
 Flammability : / Solidification : /  
 Minimal inflammation: /  
 Minimal ignition energy for :  
 - Organic powder with particle size <400 µm /  
 - Inorganic powder coated with more than 10% of organic compound /  
 - Lipids /

**Solubility:**

Water : YES Alcohol : NO

**Partition coefficient:** K [o/e] : / K [l/w] : /

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**Absorption data :**

UV :	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	Not applicable <input type="checkbox"/>
IR :	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	Not applicable <input type="checkbox"/>
NMR :	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	Not applicable <input type="checkbox"/>
Masse spec :	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	Not applicable <input type="checkbox"/>
Fluorescence :	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	Not applicable <input type="checkbox"/>

**Analytical data :**

GC :	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	Not applicable <input type="checkbox"/>
HPLC :	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	Not applicable <input type="checkbox"/>
HPTLC :	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	Not applicable <input type="checkbox"/>
Other :	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	Not applicable <input type="checkbox"/>

*Comments:*

- Analysis of allergens using GC-MS
- Analysis of heavy metals using ICP-MS
- Analysis of mercury (Hg) using AFS
- Analysis of pesticides and PCB using GC-MS

Stability data: Stability tests have been carried out on 1 batch of product according to the internal procedure **GED0009 Stability evaluation procedure for cosmetics and food products**.

Other information:

**2. MICROBIOLOGY**

Assay for specific microorganisms:

YES ☒ NO ☐ Not applicable ☐

Results: Negative: ☒ Positive: ☐

**In case of positive results, please specify:**

Staphylococcus aureus ☐  
 Candida albicans ☐  
 Negative gram: ☐  
 Mesophilic flora; ☐  
 Other:


Microbiological specifications: Refer to specifications data sheet

Other information:

**3. GUARANTEED SPECIFICATIONS**

Specification sheet on demand



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#### IV TOXICOLOGICAL DATA

This document is a working guide gathering the relevant information available on the RM. The list of toxicological data contained herein should not be construed as a list of the data required for compliance with any regulation. They are provided as a help to the toxicological assessment of a given RM and must be evaluated in relation to the regulatory status of such RM

##### 1. LITERATURE DATA

Please give below the relevant toxicological information on the RM with the references.

The product reference ALG251 EPS SEAFILL PA is mainly composed of sugars: glucose, galactose, mannose, galacturonic acid and glucuronic acid (no known and relevant toxicity on these components in the context of low-dose cosmetic use).

##### 2. EXPERIMENTAL DATA


All the studies were performed on the similar products references I11-30 and I11-32.

###### a. In-vitro tests

	Method use	In vitro	GLP	Date of the test	Place of the test	Concentration and reference of RM	Result
Ocular irritation	Neutral red	X	X	March 2011	EUROTEST, France	I11-32, pure	Almost non irritant
Gene mutation	OECD 471	X	X	April 2011	Vivotecnia, Spain	I11-30	Non mutagenic, non pro mutagenic

###### b. In-vivo tests

	Method use	Date of the test	Place of the test	Concentration and reference of RM	Result
Cutaneous irritation	Patch test 24h	March 2011	Clinical Unit PROCOS, Poland	I11-32, pure	Non irritating
Allergenicity test	HRIPT	May 2011	Clinical Unit PROCOS, Poland	I11-30, pure	Non irritating, non sensitizing

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## V .ECOTOXICOLOGICAL DATA

This document is a working guide gathering the relevant information available on the RM. The toxicological data listed herein are not a list of the data which may be required. They are provided as a help to the toxicological assessment of the RM and must be evaluated in relation to the status of the RM.

### 1. LITERATURE DATA

Please give below the relevant toxicological information on the RM with the references.

Data on one of the components is available:


#### PHENETHYL ALCOHOL:

- **Aquatoxicity, fish:** Species: *Leuciscus idus* - Exposure duration: 96 h – LC50: 230 mg/l
- **Aquatoxicity, invertebrates:** Species: *Daphnia magna* - Exposure duration: 48 h – EC50 : 287 mg/l
- **Aquatoxicity, algae:** Species: *Scenedesmus subspicatus* - Exposure duration: 72 h - ErC50: 490 mg/l
- **Biodegradability:** 100% in 28 days (readily biodegradable) – 87% In 14 days (readily biodegradable)

### 2. EXPERIMENTAL DATA

Ecological data	Method	Result
aquatic toxicity on daphnia – (short term, invertebrates)	OECD 202	EC50 > 100mg/l Duration of exposure: 48h
Biodegradability	OECD 301A	Readily biodegradable

*Comments:*

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## VI .REGULATORY DATA

The product complies for uses in Cosmetics products as regards to the European Cosmetic Regulation 1223/2009/EC. In the present state of our knowledge, the product should be approved for general cosmetic use in USA, CANADA, JAPAN, ASEAN, AUSTRALIA, KOREA.

### 1. SUBSTANCES LISTED ON ANNEX II OF REGULATION (EC) N° 1223/2009

☒ Not expected given the origin or manufacturing process

☐ Absence.

☐ Presence due to:

- Impurities from natural or synthetic ingredients
- Manufacturing process
- Storage
- Migration from the packaging

☐  
☐  
☐  
☐

In case of presence, please attach certificate establishing the technically inevitable presence and a certificate of GMP compliance.  
Other information:

### 2. CMR CLASSIFIED SUBSTANCES (\*) OF CATEGORIES 1A, 1B OR 2

(appendix I of cosmetic Regulation (EC) 1272/2008) (\*)Carcinogens, Mutagens, Toxic for reproduction

☒ Not expected given the manufacturing process and the substances

☐ Assay

☐ Estimate

If presence, please attach certificate.  
Other information:

### 3. ALLERGENIC SUBSTANCES AMONG THE 26 ALLERGENIC SUBSTANCES LISTED IN REGULATION (EC) N° 1223/2009


☐ Not expected given the manufacturing process and the substances

☐ Estimate

☒ Identification / Assay (certificate in appendix)

Other information:

*Comments:*

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#### 4. OTHER REGULATORY INFORMATION

##### ➤ Ethanol

Does this RM contain ethanol?      YES    ☐      NO    ☒

If yes:                      Content (%w/w or % v/v):

Is ethanol denatured?                      YES    ☐      NO    ☐

If so which denaturant is used:

##### ➤ Volatile Organic Compounds (VOC)

The product does not contain INCI names listed on the Swiss VOC and not even listed in the Californian State intentionally added to.

##### ➤ Tests on animals\*

Tests on animals      YES    ☐      NO    ☒

If yes, last testing date and nature of testing:

\*as regards to the European Cosmetic Regulation 1223/2009/EC

##### ➤ BSE

Does the product contain any substance of animal origin and is it concerned with the risk of Bovine Spongiform Encephalopathy contamination

☐ YES    ☒ NO

##### ➤ GMO

Does the product contain any substance obtained from Genetically Modified Organisms?

☐ YES    ☒ NO

##### ➤ Nanomaterial


Does the product contain one or more substances defined as Nanomaterial according to the Regulation 1223/2009/EC?

☐ YES    ☒ NO

*Nanomaterial' means an insoluble or biopersistent and intentionally manufactured material with one or more external dimensions, or an internal structure, on the scale from 1 to 100 nm."*

Does the product require reporting under French Regulation-Decree 2012-232?

☐ YES    ☒ NO

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➤ **California Proposition 65**

Does the product contain intentionally added substances listed in the California Proposition 65?

☐ YES ☒ NO

*List of chemicals known to the state to cause cancer or reproductive toxicity. For the current version of the list, please consult: <https://oehha.ca.gov/proposition-65/proposition-65-list>*

➤ **SVHC**

Does the product contain intentionally added substances classified as Substances of Very High Concern (SVHC) at more than 0.1% (w/w)?

☐ YES ☒ NO

*Candidate list of Substances of Very High Concern (SVHC) for authorization as defined in the REACH Regulation (EC) N° 1907/2006, Articles 57 and 59(1). For the current version of the list, please consult: <https://echa.europa.eu/candidate-list-table>*

➤ **Pharmacopoeia**

Is the product compliant with a Pharmacopoeia monograph?

☐ YES ☒ NO

If yes, please specify which one:

➤ **Cites**

Does the product contain species protected under the Washington Convention International on the Trade in Endangered Species (CITES)?

☐ YES ☒ NO

If yes, specify which one:

➤ To conform with **Nagoya protocol** (<https://absch.cbd.int/>):

Is the access and utilization of the product subject to a national ABS regulation?


☒ YES ☐ NO

If yes, date of R&D activities: before 2014

☒ Out of scope of ABS regulation of country of origin

For *Alteromonas Ferment* extract, access to the genetic resource before 2014

☐ Statement on appendix for compliance

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➤ **International components compliance**

	NATIONAL INVENTORIES				
Substance name	U.S.A. (TSCA)	Canada (DSL/NDSL)	Australia (AICS)	China (IECSC)	JAPAN (QUASI DRUG)
AQUA	listed	listed	listed	listed	listed
ALTEROMONAS FERMENT EXTRACT	/***	/***	/***	/***	/***
PHENETHYL ALCOHOL	listed*	listed	listed **	listed	listed **

\* other substance name: benzeneethanol listed

\*\* other substance name: phenylethyl alcohol listed

U.S.A.: Substances that are regulated under other federal regulations, including food additives, drug, cosmetics ... are not subject to TSCA regulation.

Canada: Substances not listed on DSL or NDSL can be imported in Canada in quantities not exceeding 100 kg per 12-month period and per importer. In addition, substances not listed in DSL or NDSL, but listed in the "in-commerce list" can be freely used in Products Regulated under the Food and Drugs Act (F&DA). In addition, substances considered as "Natural" according Health Canada's definition are exempted from New Substances regulation.

Australia: Substances Introduced at 1% or less in cosmetics are exempted from AICS listing. Otherwise, substances not listed on AICS can be imported in Australia in quantities not exceeding 10 kg per 12-month period and per importer. In addition, in the Industrial Chemicals (Notification and Assessment) Act 1989 (the Act), an industrial chemical which meets the definition of 'a naturally-occurring chemical' is taken to be on the Australian Inventory of Chemical Substances (AICS), whether listed or not, and therefore does not require notification as a new chemical prior to manufacture or importation into Australia.

China: Inventory of Existing Chemical Substance Control (in force up to date)

Japan: ingredient code number

\*\*\*: not listed, existing exemption according to some national inventories

➤ **Additional information**

KASHER compliance YES\* ☒ NO ☐

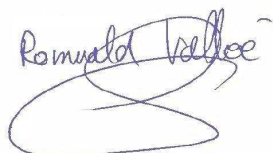
\*no components from animal origin


***"The supplier certifies that the data provided herein are given in good faith according to the information available to him at the date of signature of this questionnaire, and may not be separated from its preamble. This questionnaire is not intended to create any contractual relationship between the supplier and the purchaser. No warranty is given as to the completeness of the information provided, nor as to its fitness to a particular purpose."***

**Date: 05/08/2021**

**Contact: [infotech@codif-tn.com](mailto:infotech@codif-tn.com)**

**Signature: Romuald VALLEE, Scientific and Industrial Director**

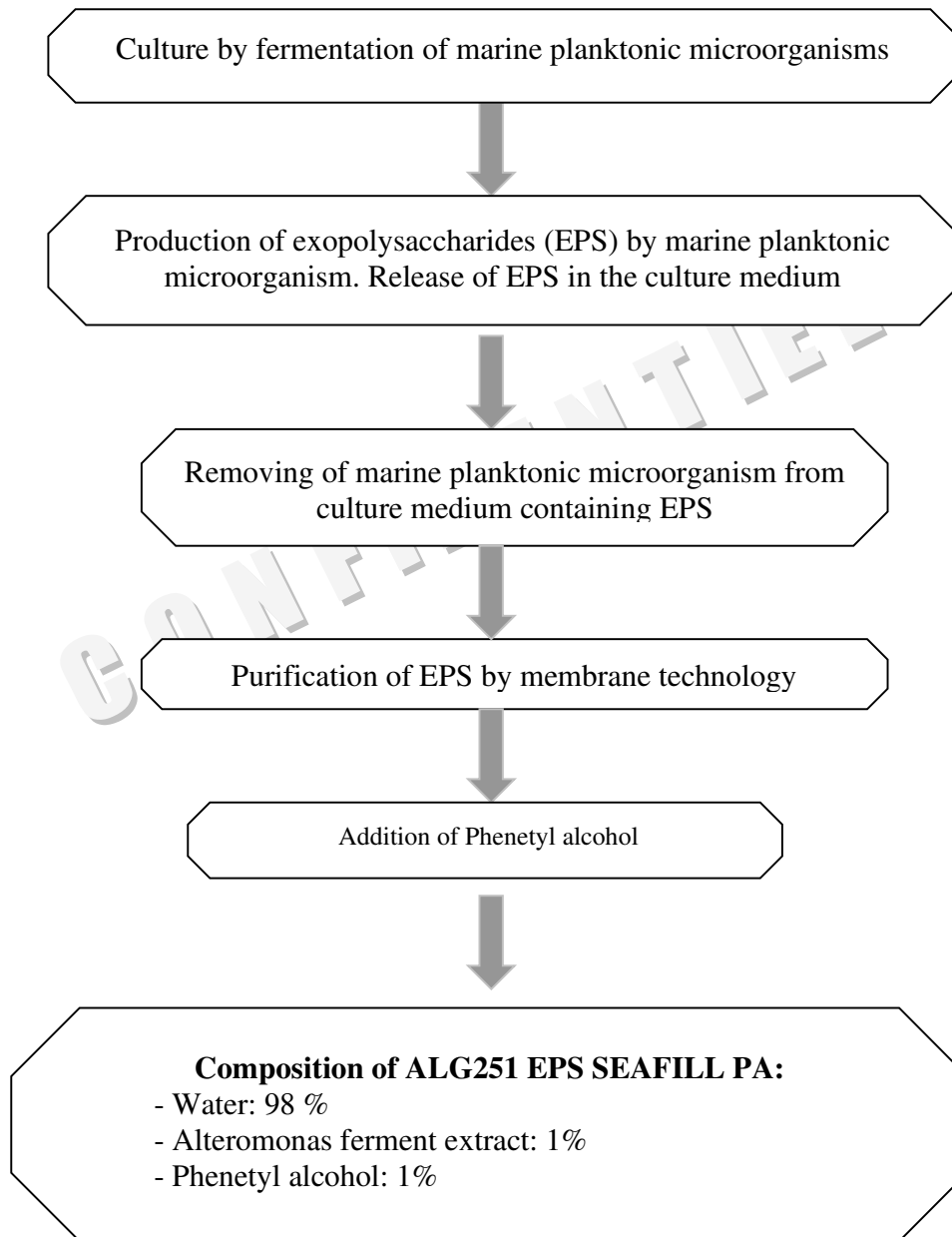


	<p align="center"><b>QUALITY AND REGULATORY PRODUCT INFORMATION</b></p> <p><b>REF : ALG251</b> <b>DESIGNATION : EPS SEAFILL PA</b></p>	<p>Creation date : 25/11/2020</p> <p>Date of last update: 05/08/2021</p> <p>Version : 2</p>
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## APPENDIX

- Process
- Determination of allergens

**Production process of  
ALG251 EPS SEAFILL PA**





## CERTIFICATE RELATIVE TO ALLERGENS

Evaluation of the 26 allergens listed by the 7<sup>th</sup> amendment to the EU cosmetics directive and regulation (EC) No 1223/2009 is as follows:


Product Name: **EPS SEAFILL PA**

CODIF International reference: ALG251

Ingredients	INCI	N° CAS	Concentration (ppm)
Amyl cinnamal	Amyl cinnamal	122-40-7	<1*
Benzyl alcohol	Benzyl alcohol	100-51-6	<1*
Cinnamyl alcohol	Cinnamyl alcohol	104-54-1	<1*
Citral	Citral	5392-40-5	<1*
Eugenol	Eugenol	97-53-0	<1*
Hydroxy-citronellal	Hydroxycitronellal	107-75-5	<1*
Isoeugenol	Isoeugenol	97-54-1	<1*
Amyl cinnamyl alcohol	Amylcinnamyl alcohol	101-85-9	<1*
Benzyl salicylate	Benzyl salicylate	118-58-1	<1*
Cinnamal	Cinnamal	104-55-2	<1*
Coumarin	Coumarin	91-64-5	<1*
Geraniol	Geraniol	106-24-1	<1*
Hydroxymethylpentyl cyclohexenecarboxaldehyde (Lylal)	Hydroxysohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4 51414-25-6	<1*
Anisyl alcohol	Anise alcohol	105-13-5	<1*
Benzyl cinnamate	Benzyl cinnamate	103-41-3	<1*
Farnesol	Farnesol	4602-84-0	<1*
2-(4-tert-Butylbenzyl) propionaldehyde (Lilial)	Butylphenyl Methylpropional	80-54-6	<1*
Linalool	Linalool	78-70-6	<1*
Benzyl benzoate	Benzyl benzoate	120-51-4	<1*
Hexyl cinnamaldehyde	Hexyl cinnamal	101-86-0	<1*
Citronellol	Citronellol	106-22-9	<1*
d-Limonene	Limonene	5989-27-5	<1*
Methyl heptin carbonate (MHC)	Methyl 2-Octyionate	111-12-6	<1*
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Alpha-Isometyl Ionone	127-51-5	<1*
Oak moss extract	EU: Evernia Prunastri Extract USA: Evernia Prunastri (Oakmoss) Extract	90028-68-5	Negative
Treemoss extract	EU: Evernia Furfuracea Extract USA: Evernia Furfuracea (Treemoss) Extract	90028-67-4	Negative

\* This value corresponds to the limit of quantification

Made out in Saint-Malo, on July 9<sup>th</sup>, 2021  
 Romuald VALLEE  
 Director



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