Certificate of Analysis

Product: Almond Sweet Butter

Batch Number: 4425005

Best Before Date: February 2023

Test method	Test	Analysis	Specification
Visual	Appearance, 25 °C	Conforms	Soft Solid
Visual	Colour	Conforms	Pale Yellow
Olfactory	Odour	Conforms	Faint Characteristic
NF T 60-128	Solidification Point °C	50.0	42.0- 52.0
NF T 60-102	Melting point °C	51.0	45.0- 55.0
NF T 60-204	Acid Value, mgKOH/g	1.2	2.0 max
NF T 60-206	Saponification Value, mgKOH/g	167.9	140.0- 180.0
NF ISO 3961	Iodine Value, g12/ 100g	70.4	45.0- 80.0

Authorised signatory: **This is an electronically generated document and is valid without a signature**

SWEET ALMOND is an ideal emollient due to its semi-solid consistency and linear melting is profile. It manufactured from renewable vegetable ingredients that combine the smoothness activity of Sweet Almond Oil with moisturizing Shea Butter, resulting in a product highly compatible with the skin.

SWEET ALMOND is rich in oleic fatty acid, omega 9, which improves the spreadability of cosmetic products, enhancing skin condition, leaving it smooth and soft.

SWEET ALMOND contains also a high % of omega-6 fatty acids. These essential fatty acids play a crucial role in skin regeneration and hair growth stimulation.

PROPERTIES

SWEET ALMOND has moisturizing, nourishing and soothing properties and is particularly adapted to sensitive skins. It provides a very important biological role by helping to avoid early ageing and the loss of skin elasticity. It enhances spreadability of finished products and provides a protective film of a non-occlusive type.
Due to its semi-solid form, **SWEET ALMOND** helps to stabilize emulsions and to adjust viscosity.

SWEET ALMOND can also be used in hair care applications, particularly for the repair and care of fine, dry and damaged hair. It also provides moisture, gloss and softness to treated hair.

COSMETIC APPLICATIONS

Skincare (1 to 10%) ……..Daily cream, anti-ageing cream, night cream, , body care, baby care, aftersun product

Haircare (1 to 4%) …….Conditioners, hair waxes.

TECHNICAL DATA

Appearance:	Soft solid paste
INCI	Prunus Amygdalus Dulcis Oil (and) Hydrogenated Vegetable Oil (and) Butyrospermum Parkii Butter (and) Tocopherol

RAW MATERIAL INFORMATION

SWEET ALMOND

Product identification

Country of origin : France

Custom Tariff : 15180099

Manufacturing process and chemical composition

Manufacturing process:
The manufacturing process consists of the combination of the Sweet Almond Oil- Refined with a totally hydrogenated vegetable oil and a Refined Shea butter and tocopherol. This is carried out at approx 70°C under nitrogen. After QC control, the blend is cooled and finally run into the packaging.

The Sweet Almond oil is obtained from the almond fruits that are washed and crushed to obtain the seeds which are cold pressed to yield the oil. The oil obtained is then filtered, physically refined and deodorised to provide a light yellow clear oil.

Chemical composition:

100% of the ingredients are from natural origin.

INCI/USA	INCI/EEC	CAS N°.	EINECS / ELINCS N°	Function	%
Prunus Amygdalus Dulcis (Sweet Almond) Oil	Prunus Amygdalus Dulcis Oil	8007-69-0	291-063-5	Emollient	> 50%
Hydrogenated vegetable Oil	Hydrogenated vegetable oil	68334-28-1	269-820-6		25 – 50%
Butyrospermum Parkii (Shea) Butter	Butyrospermum Parkii Butter	194043-92-0	293-515-7		5 – 9,99%
Tocopherol	Tocopherol	59-02-9	200-412-2		0,1 – 0,99%

We hereby certify that our **Sweet Almond** does not contain BHA or BHT antioxidant.

Impurities:

Impurities	Nature	Specification, ppm
Residual solvents		None
Monomers		None
Heavy metals	Pb	<LOQ (LOQ = 0.05ppm)
	As	<LOQ
	Cd	<LOQ
	Hg	<LOQ
	Cr	<LOQ
	Ni	<LOQ
	Others	Σ < 3 ppm
Pesticides		None

Decontamination by radioactivity

We hereby certify that the product **Sweet Almond** has not been treated with ionising radiation.

ISO16128 guideline Information

Substance INCI name	Ingredient type	% mass fraction	Natural index	Natural origin index	Organic index	Organic origin index
Prunus Amygdalus Dulcis (Sweet Almond) Oil	Natural	>50%	1	1	0	0
Hydrogenated vegetable Oil	Derived Natural	25 - 50%	0	1	0	0
Butyrospermum Parkii (Shea) Butter	Natural	5 – 9,99%	1	1	0	0
Tocopherol	Natural	0,1 – 0,99%	1	1	0	0
Natural origin content %*	100 %					

*Natural origin content %: the mass percentage, between 0% and 100%, of all natural ingredients and natural portions of derived natural ingredients in the product.

Reach compliance / CLP classification

Reach (CE regulation n°1907/2006)

Substance INCI name	CAS No	EINECS	Pre-registration	Registration number
Prunus Amygdalus Dulcis Oil	8007-69-0	291-063-5	Exempted Annex V	
Hydrogenated vegetable oil	68334-28-1	269-820-6	Yes	Class of products : Glycerides, C16-18 EINECS : 268-084-3 CAS : 68002-71-1 Registration number : 01-2119485968-12-0010
Butyrospermum Parkii Butter	194043-92-0	293-515-7	Exempted Annex V	
Tocopherol	59-02-9	200-412-2	Exempted Annex V(8)	

CLP classification
Sweet Almond is not classified under regulation CE 1272/2008

Ingredient of vegetable origin

General description of the vegetable				
INCI name of the ingredient of vegetable origin	Prunus Amygdalus Dulcis Oil	Hydrogenated vegetable oil	Butyrospermum Parkii Butter	Tocopherol
Name of the vegetable (genus – species)	Genus : Prunus Species : P. Dulcis Family : Rosaceae	Genus :Helianthus Species : Annuus Family : Asteraceae	Genus : Vitellaria Species : V. Paradoxa Family : Sapotaceae	Genus :Helianthus Species : Annuus Family : Asteraceae
Part used	Fruit,	Seeds	Seeds	Seeds
Geographical origin	Mediterranean region	Europe	Burkina Faso	Spain
Is the plant cultivated or natural?	cultivated	Cultivated	natural	Cultivated
Is it a regulated vegetal species (CITES, IUCN red list…)?	No	No	No	No

We the undersigned, certify that our **Sweet Almond** contains no material of animal origin and thus is not concerned by BSE regulation

Storage conditions

Packaging	Plastic pails 25 kg net,
Storage	Store in original unopened containers in a cool dry place
Shelf life	24 months in original unopened containers

Toxicological data

From information available, **Sweet Almond** is non-toxic under normal conditions of use.

Bibliographic data:

All ingredients that compose Sweet Almond have been assesses by the Cosmetic Ingredient Review (CIR) Expert panel individually. The CIR Expert Panel evaluated scientific data and concluded that these ingredients were safe as used in cosmetics and personal care products.
Sweet Almond is not a sensitizer and is not a dermal irritant.

Regulatory information - Certificates

Cosmetic directive compliance
In conformance to the EC Regulation n° 1223/2009 in respect to the use in cosmetic products, **Sweet Almond** is exempted of prohibited substances (Annex II) and restricted substances (Annex III). **Sweet Almond** is exempted of Phtalates, nonylphenol, alkylphenols, phenol, nitrosamines, glycol ethers.

Non GMO origin
We hereby confirm that the product **Sweet Almond**
- does not contain GMO's or GMO derived components
- no GMO derived materials or processing aids are employed in the manufacture of this product.

Non animal testing
We hereby confirm that **Sweet Almond** of our manufacture, has not been tested on animals.

Absence CMR
It is certified that the product **Sweet Almond** of our manufacture does not contain any substances listed in regulation 1272/2008 and amendments : commission regulation (CE) n° 790/2009 and n°286/2011.

Absence of allergens certificate
It is hereby certified that the product **Sweet Almond** of our manufacture, does not contain any of the allergens listed in the Regulation (EC) No 1223/2009 (annex III).

Absence SVHC
We certify the absence of substances identified as SVHC featuring in the "REACH candidate list" published for its product **Sweet Almond.**
The "REACH candidate list" is present on ECHA web site at the below link :
Link: http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp

NOAEL
Sweet Almond meets the Cosmetic European Directive and no-observed-adverse-effect-level (NOAEL) have been reported after a wide use in the cosmetic industry for more than 5 years.
Based on in-vivo uses our **Sweet Almond** has been identified non toxic under normal condition of use.

Gluten free
We certify that the product **Sweet Almond** that we manufacture is Gluten free.

Absence of protein
We hereby certify that our **Sweet Almond** does not contain protein

Global restriction

Europe	No restriction
USA	No restriction
Canada	No restriction
Japan	No restriction
Korea	No restriction
China	No restriction (

06655	**甜扁桃**（PRUNUS AMYGDALUS DULCIS）**油**	PRUNUS AMYGDALUS DULCIS (SWEET ALMOND) OIL
05417	氢化植物油*	HYDROGENATED VEGETABLE OIL (*Sunflower)
04891	**牛油果**树（BUTYROSPERMUM PARKII）**果脂**	BUTYROSPERMUM PARKII (SHEA BUTTER)
06029	**生育酚**（维生素E）	TOCOPHEROL

Note: The substances that compose the mixture Sweet Almond do not meet the criteria for classification as hazardous in accordance with Regulation (EC) No 1272/2008. They are not persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) as defined in Annex XIII of Regulation (EC) No 1907/2006 (REACH), and are not included in the ECHA candidate list of substances of very high concern. Provision of a Material Safety Data Sheet (MSDS) is thus not mandatory (REACH Art. 31). This product Data Sheet (SDS) is a voluntary presentation of certain information that may assist the user in the handling of the product. This SDS is provided in English.

Section 1- IDENTIFICATION

Product name:	**SWEET ALMOND**
REACH Registration .:	Mixture
Uses :	Cosmetic applications
Supplier	Ceratec Sarl - Incorporating Natura-Tec division 221 Avenue Louis Lépine, ZI du Capitou, 83600 Frejus - France Tel : +33 (0)498 113 800 Fax : +33 (0)972 324 004 E mail : info@natura-tec.com
Emergency tel.	France (24h/24h) ORFILA: +33(0)145 425 959

Section 2 - HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Substances of the mixture not classified as dangerous according to Regulation (EC) No 1272/2008.

2.2 Labeling Elements
Label not required in accordance with Regulation (EC) No 1272/2008 (unclassified substance).

2.3. Other hazards
There are no dangers that should be specifically mentioned. The product, under the intended conditions of use, poses no risk to users.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Description/Chemical name	Triglycerides of vegetable origin and hydrogenated vegetable oil and tocopherol
Contains:	Glycerides, C16-18 EINECS : 268-084-3 CAS : 68002-71-1 Registration number : 01-2119485968-12-0010 Concentration : 25-50% Not classified under regulation (EC) No 1272/2008

Section 4 - FIRST AID MEASURES

4.1. Description of First Aid

***General information - industrial field**:* in the event of an industrial pressure pipe accident, any chemical substance can be accidentally absorbed by the skin, even without external damage. In this case, the injured person must be transported to a first aid center for medical advice.

***General advice**:* Remove impregnated and disposed clothing safely.

***Inhalation**:* Under special conditions, in the presence of high concentrations of vapor, ventilate with fresh air. If symptoms persist or in all cases of doubt consult a physician.

***Ingestion**:* Do not induce vomiting without medical advice. Consult a doctor.

***Skin contact**:* Remove contaminated clothing if necessary. Wash with soap and plenty of water.

***Eye contact**:* Flush with plenty of water. Remove contact lenses. In all cases of doubt, ask for medical advice.

4.2. Main symptoms and effects, both acute and delayed

None relevant.

4.3. Indication of immediate medical attention and special treatment required

Notes to physician: treat symptomatically.

Section 5 - FIRE FIGHTING MEASURES

5.1. Means of extinction

Suitable materials: In case of fire, use water spray (fog), foam, dry chemical or CO2.

Inappropriate means: direct water jet.

5.2. Special hazards arising from the substance or mixture

Under conditions giving incomplete combustion, the hazardous gases produced may consist of:

Carbon monoxide (CO,) Carbon dioxide (CO2). The combustion gases of organic materials should in principle be classified as poisons by inhalation. The combustion produces caustic fumes. Vapors are heavier than air and can spread along floors.

5.3. Tips for fire-fighters

Cool containers / tanks with water spray. Collect water to fight the fire. Keep people away from the fire.

Section 6 - ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For emergency responders: See Section 8 for personal protection.

6.2. Environmental Precautions

Prevent leaks or spills. Do not discharge into the aquatic environment without pre-treatment.

6.3. Methods and material for containment and cleaning up

Stop the flow of material, if possible. Collect spilled material where possible.

Absorb with an inert absorbent material. Keep in a suitable and closed container for disposal. Dispose of in accordance with local regulations. If liquid has been spilled in large quantities, clean quickly by sampling or vacuum. Absorb with an inert absorbent material (eg sand, silica gel, acid binder, universal binder, sawdust).

6.4. Reference to other sections

See Section 8 for personal protective equipment and item 13 for waste disposal.

Section 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling
General protective measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and after handling the product. Provide sufficient air exchange and / or exhaust in work rooms
Measures to prevent fire: Keep away from ignition source - do not smoke.
7.2. Conditions for safe storage, including incompatibilities
Keep containers tightly closed in a cool, well-ventilated place. Suggested storage temperature: <30 ° C.
Avoid direct sunlight. Handle and open containers with care.
Incompatible products: strong oxidizing agents, strong bases, strong acids.
7.3. Specific end uses
No other information available.

Section 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters
The product is not classified, no control parameters should be mentioned
8.2. Exposure controls
General Engineering Controls: General ventilation or dilution is often insufficient to be the only means of controlling employee exposure. Local ventilation is usually preferred.
General industrial hygiene practices: avoid contact with chemicals. Do not breathe vapors or spray mist. Ensure eyewash stations and safety showers are close to the workstation location
General personal hygiene measures: wash your hands after going to the toilet. Do not clean your hands with dirty or greasy cloths. Change clothes if they are soaked, and in any case after work. Wash skin with soap and water, do not use solvents or strong degreasers.
General protective measures for the hands: wear protective gloves. Other protective materials may be used, depending on the situation, if adequate degradation and permeation data are available. If other chemicals are used in conjunction with this substance, material selection should be based on the protection of all substances. Suitable material: nitrile rubber.
General eye protection: Use safety glasses.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Semi solid paste
Colour	Pale yellow
Odour	Faint characteristic
Dropping point	45 – 55 °C
Flash point	> 200°C
Auto-ignition temperature	> 200°C
Solubility	Insoluble in water. Soluble in oils and organic solvents

Section 10 - STABILITY AND REACTIVITY

10.1. Reactivity
Stable under recommended storage conditions and under normal conditions of use.
10.2. Chemical stability
Stable under recommended storage conditions and under normal conditions of use.
10.3. Possibility of hazardous reactions
None known under recommended storage conditions and normal conditions of use.

10.4. Conditions to Avoid
None known.
10.5. Incompatible Materials
Avoid strong oxidizing agents, strong bases, strong acids.
10.6. Hazardous decomposition products
Hazardous decomposition products formed under fire conditions: carbon dioxide (CO2), toxic gases / carbon dioxide (CO) vapors. See point 5.

Section 11 - TOXICOLOGICAL INFORMATION

From information available, this substance is non toxic under normal conditions and is not classified in EEC listing.

Section 12 - ECOLOGICAL INFORMATION

12.1. Toxicity
The product is not classified as hazardous to the environment. However, use good working practices and do not disperse it into the environment.
12.2 Persistence and Degradability
Biodegradable product. During natural decomposition, no hazardous products are developed. However, use good working practices and do not disperse it into the environment.
12.3 Potential for bioaccumulation
Not bioaccumulative.
12.4 Mobility in soil
Unavailable.
12.5 Results of PBT and vPvB assessment
No PBT or vPvB.

Section 13 - DISPOSAL CONSIDERATIONS

Product	The disposal should be in accordance with all applicable regulations. Do not discharge into drains, surface and ground water. Do not reject waters of wash in the natural environment or the sewers.

Section 14 - TRANSPORT INFORMATION

ADR	Not classified.
IMDG	Not classified
IATA	Not classified

Section 15 - REGULATORY INFORMATION

Classification and labelling according to EC 1272/2008

No classification	
Pictogram	none
H phrase (Hazard)	none
P phrase (Precautionary)	none

Section 16 - OTHER INFORMATION

No classification or hazards labelling under regulation 1907/2006 (REACH) and EU Regulation 2015/830 and classification according to EC Regulation 1272/2008 (CLP).

Creation date :	January 2013; Version n° 002
Revision date:	June 2017; Version n°003; update GHS
Revision date :	December 2017; Version n°004; update regulation
Revision date:	April 2020; Version n°005; update trade name

This document completes the product technical data sheet but does not replace it. The information contained in this notice is based on current knowledge and relates to the product in the state in which it is delivered. It is intended to describe the product from the point of view of safety requirements and does not guarantee any particular property or use.
The user takes full responsibility for the use of the product and it is his further responsibility to ensure that the product is employed in complete conformity with all relevant regulations.

SPECIFICATION SHEET

SWEET ALMOND

INCI EU :	Prunus Amygdalus Dulcis Oil (and) Hydrogenated vegetable oil (and) Butyrospermum Parkii Butter (and) Tocopherol
INCI US:	Prunus Amygdalus Dulcis (Sweet Almond) Oil (and) Hydrogenated vegetable Oil (and) Butyrospermum Parkii (Shea) Butter (and) Tocopherol
CAS	8007-69-0+ 68334-28-1 + 194043-92-0 + 59-02-9
EINECS	291-063-5 + 269-820-6 + 293-515-7 + 200-412-2

	Specification	Method
Appearance, 25°C	Soft solid	Visual
Color	Pale yellow	Visual
Odor	Faint characteristic	Olfactory
Solidification point, °C	42,0 - 52,0	NF T 60-128
Dropping point, °C	45,0 – 55,0	NF T 60-102
Acid value, mgKOH/g	2,0 max.	NF T 60-204
Saponification value, mgKOH/g	140 - 180	NF T 60-206
Iodine value, gI2/100g	45 – 80	NF ISO 3961

Packaging	Plastic pails 25 kg net,
Storage	Store in original unopened containers in a cool dry place
Shelf life	24 months in original unopened containers
Safety	Refer to SDS. Not considered hazardous