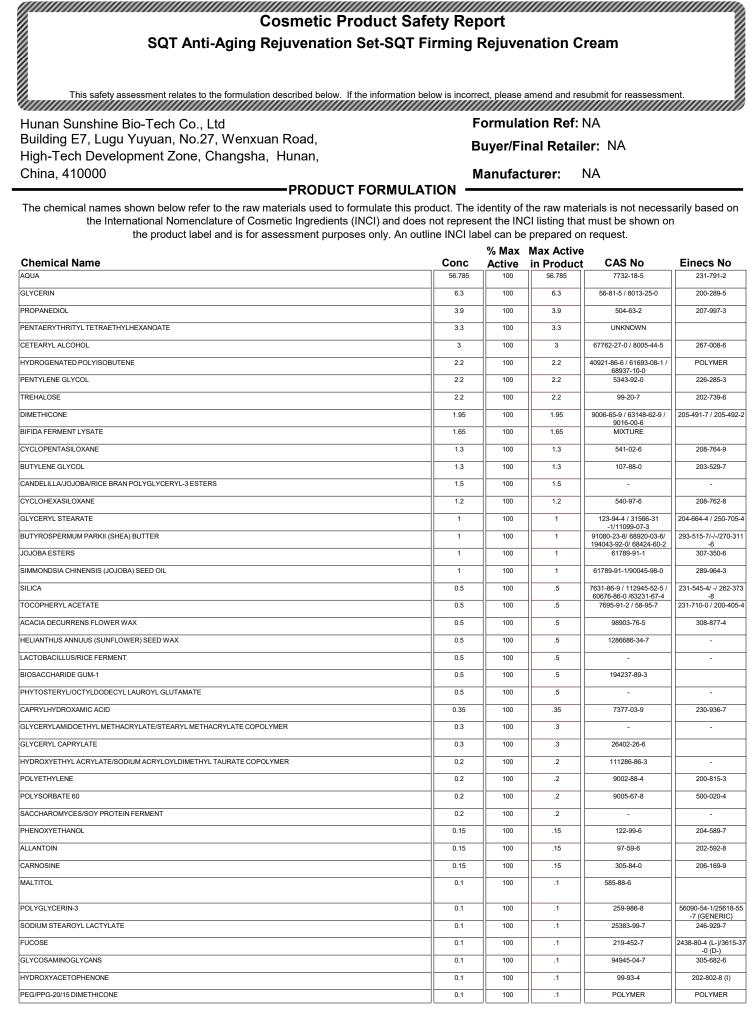
intertek

Total Quality. Assured.

Issued: 22 Nov 2022



SQT Anti-Aging Rejuvenation Set-SQT Firming Rejuvenation Cream



### GZHH0047425404

SERINE	0.1	100	.1	302-84-1	206-130-6
SODIUM POLYGLUTAMATE	0.1	100	.1	28829-38-1	POLYMER
SORBITAN ISOSTEARATE	0.1	100	.1	71902-01-7	276-171-2
PALMITOYL TRIPEPTIDE-8	0.05	100	.05	N/A	
BETA-GLUCAN	0.05	100	.05	26874-89-5 /53238-80-5 /55965-23-6	258-443-2/ 310-127-6
SODIUM HYALURONATE	0.05	100	.05	9067-32-7	-
1,2-HEXANEDIOL	0.05	100	.05	6920-22-5	230-029-6
ARGININE	0.05	100	.05	74-79-3 / 7200-25-1	200-811-1 / 230-571-3
CARBOMER	0.05	100	.05	54182-57-9 / 9007-20-9 / 9003-01-4 / 76050-42-5 / 9062-04-8 / 9007-16-3 / 9007-17-4	POLYMER
PALMITOYL TETRAPEPTIDE-7	0.05	100	.05	POLYMER	POLYMER
PALMITOYL TRIPEPTIDE-1	0.05	100	.05	147732-56-7/	-
PHENYL METHICONE	0.05	100	.05	55066-49-4	
POLYSORBATE 20	0.05	100	.05	9005-64-5	500-018-3
DISODIUM PHOSPHATE	0.005	100	.005	7558-79-4/7782-85-6/10028 -24-7	231-448-7
FIBRONECTIN	0.005	100	.005	86088-83-7	289-149-2
SODIUM PHOSPHATE	0.005	100	.005	7558-80-7/ 7632-05-5/10049 -21-5	231-449-2/ 231-558-5

MSDS/SDS, CoA/TDS and toxicity profile (where applicable) were listed in the Appendix 1

-LABELLED WARNINGS & INSTRUCTIONS OF USE-



### CONSUMER EXPOSURE

Product Class: Facial cream	One and ( ) ations / Dutter / Makes				
IFRA Product type: Women's Facial	reams / Lolions / Buller / Make-l	ip of all types			
IFRA Category: Category 5					
Targeted Population:Children 14 yea	rs of age 50.4kg (Mean)				
Amount per application/g:		Number of applications per day:	Twice a day		
Skin Surface Area of Application/cm <sup>2</sup>	: 555	Physical form:	Cream		
Total Amount applied per day/g:	1.54	Part of body exposed to undiluted	Hands and face		
Estimated Daily Exposure mg/kg/day: 24.14 product:					
Amount Per Unit Area of Skin per day mg/cm²/day: 2.70					
Retention factor:	1.00				
Exposure Time Neat:	720-960 Minutes				
Exposure Time Dilute:	Not Applicable				
Exposure time Solvent Inhalation:	Not Applicable				
Exposure time Aerosol Inhalation:	Not Applicable				

### MICROBIOLOGICAL QUALITY

To comply with "Guidelines on Microbiological Quality of the Finished Cosmetic Product" under SCCS's Notes of Guidance, the following limits apply to this product:

Category 2: Other cosmetic products. Total Aerobic Mesophilic Microorganisms (Bacteria plus yeast and mould) should not exceed 1000 cfu/g or ml in the product. Escherichia coli, Pseudomonas aeruginosa and Staphylococcus aureus must not be detectable in the cosmetic product Microbiological specifications for the product have been supplied and meet the requirements specified therein for this type of product.

Microbiological specification test report or data was listed in the Appendix 2-1 This product is a single use cosmetic product which can be used only once and is then disposed of. Preservative challenge testing is therefore not applicable to the safety of this product and only microbiological quality testing of the finished cosmetic product is required.

### STABILITY OF COSMETIC PRODUCT

It is assumed that the responsible person has selected all pertinent criteria required to evaluate the stability of this cosmetic product during reasonable foreseeable conditions of storage. The stability report provided by the supplier and based upon the conclusions made therein, this cosmetic product appears to be stable under reasonably foreseeable storage conditions.

Stability Test Report or Data of Cosmetic Product was listed in the Appendix 3

### PACKAGING COMPATIBILITY

It is assumed that the responsible person has identified the most applicable testing required to determine the packaging stability and its interaction with the cosmetic product contained within it. Taking into consideration the information supplied to the assessor, there appears to be no immediate health concern due to the characteristics of packaging materials in direct contact with the final product.

Package Compatibility Test Report and/or data was listed in the Appendix 4

### SERIOUS / UNDESIRABLE EFFECTS

The supplier has confirmed that no undesirable effects or serious undesirable effects of this cosmetic product have been reported or, where relevant, cosmetic products with a similar formulation.

Serious/ Undesirable Effects of Cosmetic Product Declaration was listed in Appendix 5

### FRAGRANCE COMPOSITIONS

This formulation does not contain a synthetic fragrance and therefore a fragrance safety evalution as per IFRA code of practice is not applicable to this product.

According to Cosmetic Regulation (EC) No. 1223/2009, a complete cosmetic product safety report shall, at a minimum, contain cosmetic product safety information and cosmetic product safety assessment. The former includes raw materials and packaging material specifications, toxicological profile of substance (taking into account of purity of substance) contained in the cosmetic product and any known undesirable effects of the cosmetic product.



### TOXICOLOGICAL & REGULATORY REVIEW -

This cream contains solvent, moisturizers, skin conditionesr, emollients and preservative and is use for facial skin care. None of the ingredients is on the prohibition list of the Cosmetic Regulation (EC) No. 1223/ 2009. Phenoxyethanol used as preservative is legally permitted for use under Cosmetic Regulation.

Most of the ingredients are commonly used in cosmetic products and reviewed by CIR Panel. Based on the available NOAEL, the lowest MoS is more than 100 from hydroxyacetophenone. In addition, CIR confirmed that pentaerythrityl tetraethylhexanoate, cetearyl alcohol, trehalose, jojoba esters, simmondsia chinensis (jojoba) seed oil, helianthus annuus (sunflower) seed wax, glyceryl caprylate, hydroxyethyl acrylate/sodium acryloyldimethyl taurate copolymer, allantoin, maltitol, fucose, PEG/PPG-20/15 dimethicone, serine, sorbitan isostearate, 1,2-hexanediol and arginine are safe for use at the current level. CIR also concluded that candelilla/jojoba/rice bran polyglyceryl-3 esters and sodium stearoyl lactylate when formulated to be non-irritating and non-sensitizing. Fibronectin has a high number molecular weight (Da > 200,000), which is sufficiently high to prevent passage across biological membranes, so the permeation and absorption may not occur in intact skin. Sodium polyglutamate is the organic compound, used as a skin conditioning agent this polymer if a naturally occurring amino acid is not expected to present any risks to health when used in cosmetics.

Manufacturer should ensure the grade of glycerin being used containing low level of diethylene glycol impurities (e.g. pharmaceutical grade). Manufacturer should ensure the grade of carbomer being used be benzene-free to minimize the risk of carcinogenic potential.

According to above information, there is no safety concern for the ingredients used in this product. However, the possibility cannot be discounted that a small number of users may experience an allergic reaction or other idiosyncratic reaction to an ingredient in the formulation if they have been previously sensitized to the ingredient.

The raw materials used to formulate this product are all well known ingredients. They are present at typical concentrations where they are unlikely to cause irritation or allergy.

Limits of heavy metals were satisfied legal requirements and testing report was listed in the Appendix 7

If used as directed, use of this product should be uneventful.

### Effects of the product as supplied on the skin

The formulation as supplied may cause only minimal skin irritation even if exposure is prolonged and/or repeated.

Repeated exposure to the formulation as supplied is unlikely to produce allergy by skin contact.

Exposure to this product is unlikely to result in phototoxic effects.

Unlikely to cause damage to internal organs following absorption through the skin.

### Effects of the product as supplied on the eye

Accidental exposure of the eye to the formulation as supplied may result in minimal eye irritation.

### Effects following ingestion of the product as supplied

The formulation as supplied if swallowed is unlikely to cause harm.

### Effects of inhaling the product

Inhalation is an unlikely route of exposure

### **Overall Assessment Conclusion**

The ingredients are legally permitted as per Cosmetic Regulation (EC) No 1223/2009 and its amendments and the safety assessment has been carried out in accordance to this regulation. They must comply with the relevant urity standards for cosmetic ingredients. It is assumed that these ingredients do not contain any undisclosed impurities/contaminants that would affect the conclusions reached. The product must be manufactured in accordance with EU Guidance on Good Manufacturing Practice.

Under normal or reasonably foreseeable conditions of use, product made to this formulation is unlikely to produce an abnormally high number of adverse reactions.

### **Cosmetic Regulations Product Safety Assessor**

Les hier 2hong

Leshuai Zhang, Toxicologist, PhD, DABT, ERT, UKRT Intertek GM Testing Services Zhuhai Co. Ltd. 6/F, R&D and Testing/B, Guangdong-Macau TCM Park commercial Service center, 2522 Huan Dao Bei Road, Hengqin New Area, Zhuhai, China Date:

Date: 22 Nov 2022



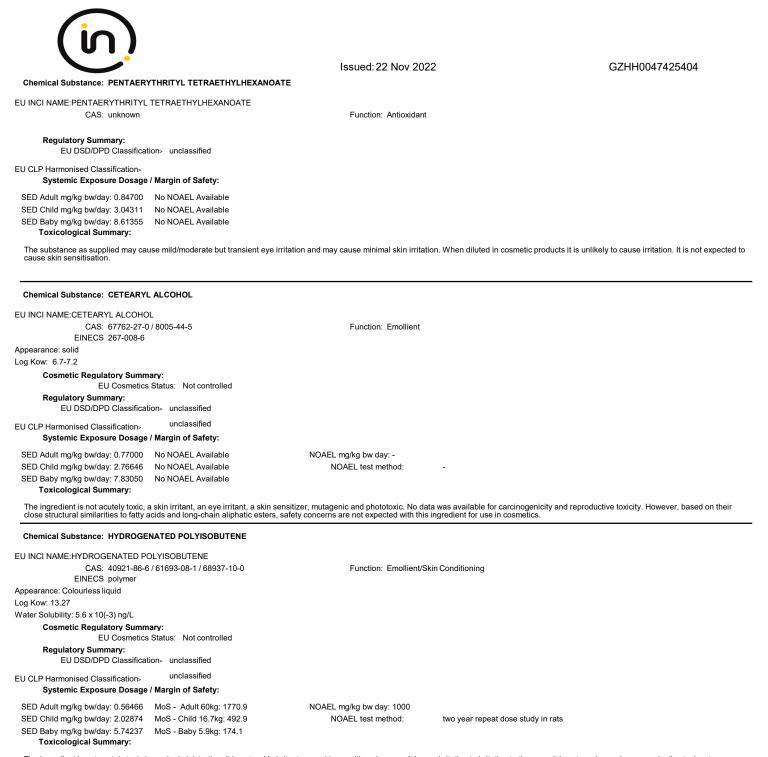
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## SUMMARY OF TOXICOLOGICAL INFORMATION OF SUBSTANCES Remark: Substance toxicological summary was listed in this section and used only for MoS calculation, please refer to Toxicological Profiles of Substances for full information.

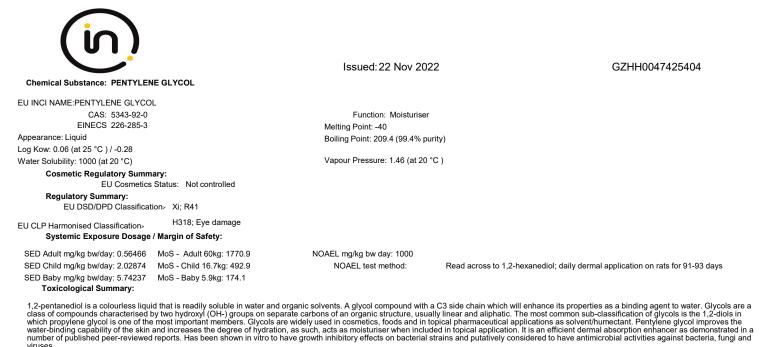
Chemical Substance: AQUA		
EU INCI NAME:AQUA		
CAS: 7732-18-5	Function: Solvent	
EINECS 231-791-2	Melting Point: 0	
Appearance: Liquid	Boiling Point: 100	
Water Solubility: highly soluble		
Cosmetic Regulatory Summary: EU Cosmetics Status: Not controlled		
Regulatory Summary: EU DSD/DPD Classification> Unclassified		
ELLCL B Hormonicod Closeification Unclassified		
EU CLP Harmonised Classification> Uncassified Systemic Exposure Dosage / Margin of Safety:		
SED Adult mg/kg bw/day: 14.57481 No NOAEL Available		
SED Child mg/kg bw/day: 52.36461 No NOAEL Available		
SED Baby mg/kg bw/day: No NOAEL Available Toxicological Summary:		
Cosmetic function : Solvent. Simply water unlikely to cause irritation, allerg known, monitored to GMP and either a deionised or high purity grade free	y or harm. Used in many cosmetic prod from toxins, pollutants and bacteriologica	ucts as a solvent and necessary to sustain biological life. The source of water should be al contamination should be used in cosmetic products.
Chemical Substance: GLYCERIN		
EU INCI NAME:GLYCERIN		
CAS: 56-81-5 / 8013-25-0	Function: Denaturant	/ Humectant / Perfuming / Solvent / Fragrance Hair & Skin Conditioning Agent / Oral Care Agent
EINECS 200-289-5	/ Skin Prote	ctant / Viscosity Decreasing Agent
Appearance: liquid	Melting Point: ~18°C	
Log Kow: -1.76	Boiling Point: 290°C	
Water Solubility: miscible with water	Vapour Pressure: <0.01 mm H	g @ 20°C
Cosmetic Regulatory Summary: EU Cosmetics Status: Not controlled		
Regulatory Summary:		
EU DSD/DPD Classification> unclassified		
CLICIP Usymptoted Classification unclassified		
EU CLP Harmonised Classification> Unclassified Systemic Exposure Dosage / Margin of Safety:		
Systemic Exposure Dosage / Margin of Safety.		
SED Adult mg/kg bw/day: 1.61700 MoS - Adult 60kg: 2832.4	NOAEL mg/kg bw day: 4580	
SED Child mg/kg bw/day: 5.80958 MoS - Child 16.7kg: 788.3	NOAEL test method:	90-day oral
SED Baby mg/kg bw/day: 16.44406 MoS - Baby 5.9kg: 278.5		
Toxicological Summary:		
The ingredient is not acutely toxic, a skin irritant, an eye irritant, a skin sens Based on this information and other scientific literature on this ingredient, s	sitizer, mutagenic, carcinogenic, a reproc safety concerns are not expected with thi	ductive toxicant, nor is it bioaccumulative. No information was available on its phototoxicity. s ingredient for use in cosmetics.
Chemical Substance: PROPANEDIOL		
EU INCI NAME: PROPANEDIOL		
CAS: 504-63-2	Function: Solvent	
EINECS 207-997-3		
Appearance: liquid		
Cosmetic Regulatory Summary:		
EU Cosmetics Status: Not controlled Regulatory Summary:		
EU DSD/DPD Classification> Not known		
EU CLP Harmonised Classification- Systemic Exposure Dosage / Margin of Safety:		
SED Adult mg/kg bw/day: 1.00100 MoS - Adult 60kg: 832500.8	NOAEL mg/kg bw day: 1000	
SED Child mg/kg bw/day: 3.59640 MoS - Child 16.7kg: 231712.7	NOAEL test method:	13-week rat study (developmental)
SED Baby mg/kg bw/day: 10.17966 MoS - Baby 5.9kg: 81862.5		
Toxicological Summary:		
Cosmetic Functions : Solvent / Viscosity Controlling / Viscosity Decreasing	Agent. Widely used alcoholic solvent. Ir	most cases a low irritation potential substance but can enhance the irritancy of soap
mixtures especially in patch tests. Propandiol was tested for inhalation tox effect level (NOEL) for this study. 1,3-Propanediol does not appear to pose administration. In a 13-week rat study the NOAEL was 1000 mg/kg bw/day	icity (Inhal Toxicol. 2005 Aug;17(9):487- e a significant hazard via inhalation of eit . In the developmental study, the LOAEL	93). The highest concentration tested, 1800 mg/m <sup>3</sup> was also considered the no-observed- ner the vapor or a vapor/aerosol mixture. 1,3-propanediol is of low toxicity following oral . was 250 mg/kg bw/day for marginal fetal effects (retarded ossification).
		ne glycol. In studies on 100 human volunteers, PDO up to 50% was found to be non I redness following challenge application. It was concluded that PDO has low potential to

A more recent study published in cosmetic and unteries magazine, provided a review of 1,3-propandiol vs propylene glycol. In studies on 100 human volunteers, PDO up to 50% was found to be non irritating, non sensitizing and non fatiguing. A few people in a 200 volunteer RIPT study, displayed signs of only mild redness following challenge application. It was concluded that PDO has low potential to irritate or sensitize human skin.

Reference: SCF/CS/CNTM/CARGO/16 Final4 April 2003. Belcher, Dupont; Cosmetics and toiletires Magazine, 125, 5, 81-86.



The ingredient is not acutely toxic by oral administration. It is not a skin irritant nor a skin sensitizer; however it is non-irritating to irritating to the eyes. It is not carcinogenic, a reproductive toxicant, bioaccumulative, nor phototoxic. Evidence for genotoxicity was inconclusive. Based on this information and other scientific literature on this ingredient, safety concerns are not expected with this ingredient for use in cosmetics when formulated to be non-irritating.



Normal of particle peoplet reviewed reports, ras been shown in vitro to have growth initiation on bacterial strains and putatively considered to have antimicrobial activities against bacteria, fungi and viruses. Pentylene glycol is used as an alternative to propylene glycol because it is considered to be less irritating and allergenic. It has low acute toxicity. A single oral administration to rat induced signs of toxicity indicative of mild CNS effects with no changes observed in gross pathology. Oral LD50 was greater than 5000 mg/kg. Erythema was seen at the site of application in acute dermal study and clinical signs of toxicity indicative of mild CNS effects with no changes observed in gross pathology. Oral LD50 was greater than 5000 mg/kg. Erythema was seen at the site of application in acute dermal study and clinical signs of toxicity including sedation, dyspnoea and exophthalamus were reported. No mortality or gross pathological effect were reported; the dermal LD50 > 2000 mg/kg. ErS0 from inhalation of the aerosol was > 7015 mg/m3 (4h). Pentylene glycol has mild irritation potential. No erythema or edema (score =0) were seen on application of 100% solution to the skin of rabbits under semi-oclusive conditions; primary irritation index of 1.85. No irritating to the eye. Instillation of 100% solution in the eyes of rabbit resulted in conjunctiva redness and/or swelling and slight corneal opacity that has not resolved within 21 days (Primary irritation index of 31.7 and 25.5 for unrinsed and rinsed eyes, respectively). Thus, it has been classified with R41/H318 (Causes serious eye damage). Skin sensitisation potential were not noted in animal (GPMT; topical challenge dose of 10%) and in 53 numan volunteres (HRIPT; 50% solution). However, there have been few case reports of altery of standard in vitro tests (bacteria mutation, chromosome aberration and mammalian cell gene mutation assays). Although, there is no specific investigation conducted, no evidence of phototoxicity potential has been noted from its

anyproxypropane; 2001). In a 42-day developmental study with butylene glycol administered by oral gavage at doses of 40,200 or 1000 mg/kg bw/d, no mortality or significant toxicity effects were noted. Transient hypolocomotion and hypopnea which indicate mild CNS effects were observed at 1000 mg/kg bw/d, which was considered to be the NOAEL. Daily dermal application of hexylene glycol (0, 350, 700, 1000 mg/kg bw/d) to rat skin for 91-93 days resulted in local effects of skin irritation, reduction in body weight and increase in organ weight (kidney, heart) of treated animal group. Treated skin changes included low incidence of slight focal erythema / thickening and minimal epidermal hyperplasia and hyperkeratosis. The study author concluded that the observed microscopic changes are not likely to progress to chronic skin damage or ulceration. The effect on organ weight was not associated with any pathological findings. Based on these slight changes, NOAEL for local and systemic effect are considered to be 700 and 1000 mg/kg bw/d, respectively. The data on the analogous compounds indicate that pentylene glycol has low carcinogenicity potential, and not likely to induce reproductive/developmental toxicity effects.

Reletences: (Faergemann J et al., Acta Derm. Venereol. 2005; 85(3): 203-5; abstract information). (Gallo et al., 2003: Allergic contact dermatitis from pentylene glycol in an emollient cream with possible co-sensitisation to resveratrol. Contact Dermatitis; 48 (3): 176-7. Kerre S. (2008): Allergic contact dermatitis to pentylene glycol in a cosmetic cream. Contact Dermatitis; 58: 122-3; Arnado A et al.: Contact dermatitis to pentylene glycol in a prescription cream case report. Arch. Dermatol. 2008, 144: 810 -2)

#### Chemical Substance: TREHALOSE

EU INCI NAME:TREHALOSE

CAS: 99-20-7 EINECS 202-739-6 Function: Moisturiser

Regulatory Summary: EU DSD/DPD Classification> UNclassified

EU CLP Harmonised Classification> Systemic Exposure Dosage / Margin of Safety:

SED Adult mg/kg bw/day: 0.56466	No NOAEL Available
SED Child mg/kg bw/day: 2.02874	No NOAEL Available
SED Baby mg/kg bw/day: 5.74237	No NOAEL Available

### **Toxicological Summary:**

Cosmetic Functions : Humectant / Moisturising / Flavoring Agent. A disaccharide with the empirical formula C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>. Also known as Ergot sugar, materials of this type are not associated with adverse effects. Use as a cosmetic ingredient should be uneventful.

### Chemical Substance: DIMETHICONE

EU INCI NAME:DIMETHICONE CAS: 9006-65-9 EINECS 205-491-7	/ 63148-62-9 / 9016-00-6 / 205-492-2	Function: Antifoaming	/Emollient/Skin Conditioning/Skin Protecting
Appearance: Liquid			
Water Solubility: Insoluble			
Cosmetic Regulatory Sumn EU Cosmetics Regulatory Summary: EU DSD/DPD Classifica	s Status: Not controlled		
EU CLP Harmonised Classification> Systemic Exposure Dosage	Unclassified / Margin of Safety:		
SED Adult mg/kg bw/day: 0.50050	MoS - Adult 60kg: 99900.0	NOAEL mg/kg bw day: 5000	
SED Child mg/kg bw/day: 1.79820	MoS - Child 16.7kg: 27805.5	NOAEL test method:	90 days in rats
SED Baby mg/kg bw/day: 5.08983	MoS - Baby 5.9kg: 9823.5		
Toxicological Summary:			

The ingredient is not acutely toxic through the dermal, oral and inhalation routs. It is non to severe ocular and skin irritant. It is not sensitizing, carcinogenic, reprotoxic or genotoxic. It has no dermal percutaneous absorption potential and does not bioaccumulate in the body. No information is readily available on the phototoxicity of the ingredient. Based on this information and other scientific literature on this ingredient, safety concerns are not expected with this ingredient for use in cosmetics.



Chemical Substance: BIFIDA FERMENT LYSATE

CAS: Mixture

Appearance: Slightly yellow Liquid

EU DSD/DPD Classification>

#### EU CLP Harmonised Classification>

#### Systemic Exposure Dosage / Margin of Safety:

SED Adult mg/kg bw/day: 0.42350	No NOAEL Available
SED Child mg/kg bw/day: 1.52155	No NOAEL Available
SED Baby mg/kg bw/day: 4.30677	No NOAEL Available
SED Baby mg/kg bw/day: 4.30677	No NOAEL Available

#### Toxicological Summary:

This skin conditioning agent is a biological product derived by lysing the fermentation product of Bifida. It is unlikely to produce adverse effects when incorporated into a product at a concentration of 5% or less.

Toxicological data below derived from Bifida except using phenonip as preservtaive as opposed to sodium benzoate and phenoxyethanol. The general toxicological profile from read across can be used. LD50/LC50 values that are relevant for classification LD50 (oral, rat) > 20 ml/kg - not toxic; Non Irritating to eyes (Rabbit) Draize test (10 % in water); Non Irritating to skin (Rabbit) Draize test (10 % in water); Non Irritating to skin (human) Patch test (10% in o/w-creating); Not sensitizing - Buehler (10% in water) Cancerogenic and mutagenic effects, risks to reproduction - Salmonella typhimurium, 5 strains - Negative in Ames test; Mohn test - Non mutagenic in E. coli 343/113/PKM 101 and 3 mutation systems.

Function: Hair & Skin Conditioning

#### Chemical Substance: CYCLOPENTASILOXANE

EU INCI NAME: CYCLOPENTASILOXANE

CAS: 541-02-6 EINECS 208-764-9

### Cosmetic Regulatory Summary:

EU Cosmetics Status: Controlled Regulatory Summary:

EU DSD/DPD Classification> Unclassified

#### EU CLP Harmonised Classification> Systemic Exposure Dosage / Margin of Safety:

**Toxicological Summary:** 

 SED Adult mg/kg bw/day: 0.33366
 MoS - Adult 60kg: 2997.0

 SED Child mg/kg bw/day: 1.19880
 MoS - Child 16.7kg: 834.1

SED Baby mg/kg bw/day: 3.39322 MoS - Baby 5.9kg: 294.7

- -

NOAEL mg/kg bw day: 1000

Cosmetic functions: Antistatic / emollient / humectant / solvent / viscosity controlling / hair conditioning agents. They are widely versatile and well used in leave on cosmetic products. Classified as a category 3 reprotoxin. The SCCS has since reviewed the available toxicological data and concluded that Cyclotetrasiloxane D4 (OctamethylCyclotetrasiloxane) and cyclopentasiloxane D5. Decamethylcyclopentasiloxane, cyclopentasiloxane, decamethyl, is safe for use in cosmetic products. Not a skin sensitizer/non irritating to the skin (OId study), rapidly absorbed orally when administered in corn oil, lipid soluble & would preferentially deposit in fat and highly lipophilic tissues. Very low acute oral, inhalation and dermal toxicity, mild irritant to the respiratory tract, reproductive toxicity in rats. A very low oral acute toxicity (LD50: (rat) >20,000 mg/k) and low inhalation toxicity (LC50: (rat) >6722 mg/L) have been reported for Cyclopentasiloxane (Fiabila, France). NOAEL of 300 ppm for reproductive toxicity of D4 is higher than the NOAEL of 150 ppm derived from the chronic/carcinogenicity studies. When inhaled, approximately 5% D4 in rat and 12% D4 in humans is absorbed. Dermal absorption of these are estimated as 0.5% (Conservative estimate). NOAEL (XED et al) 17.8 mg/kg bw/day, SED 0.1 mg/kg bw/day, SED 0.1 mg/kg bw/day, SED 0.1 mg/kg bw/day. SED 0.1 mg/kg bw

#### Chemical Substance: BUTYLENE GLYCOL

EU INCI NAME:Butylene Glycol	
CAS: 107-88-0	Function: humectants / solvents
EINECS 203-529-7	Melting Point: -77°C
Appearance: Viscous liquid	Boiling Point: 207.5 °C
Log Kow: -0.29	
Water Solubility: miscible	Vapour Pressure: 0.08 at 20°C
Cosmetic Regulatory Summary:	
EU Cosmetics Status: Not controlled	
Regulatory Summary:	
EU DSD/DPD Classification> Unclassified	
EU CLP Harmonised Classification> Unclassified	
Systemic Exposure Dosage / Margin of Safety:	
SED Adult mg/kg bw/day: 0.33366 MoS - Adult 60kg: 21407.1	NOAEL mg/kg bw day: 6000
SED Child mg/kg bw/day: 1.19880 MoS - Child 16.7kg: 5958.3	NOAEL test method: 90-days toxicity study to dogs
SED Baby mg/kg bw/day: 3.39322 MoS - Baby 5.9kg: 2105.0	
Toxicological Summary:	

The ingredient is not acutely toxic via dermal and oral route; it is not a skin irritant, a skin sensitizer, mutagenic, carcinogenic, a reproductive toxicant, or photosensitizer. Low bioaccumulation potential based on study results. Undiluted butylenes glycol was not an eye irritant to rabbits, but was to humans. Based on this information and other scientific literature on this ingredient, safety concerns are not expected with this ingredient for use in cosmetics when formulated to be non-irritating.

#### Chemical Substance: CANDELILLA/JOJOBA/RICE BRAN POLYGLYCERYL-3 ESTERS

EU DSD/DPD Classification>

#### EU CLP Harmonised Classification> Systemic Exposure Dosage / Margin of Safety:

 SED Adult mg/kg bw/day: 0.38500
 No NOAEL Available

 SED Child mg/kg bw/day: 1.38323
 No NOAEL Available

 SED Baby mg/kg bw/day: 3.91525
 No NOAEL Available

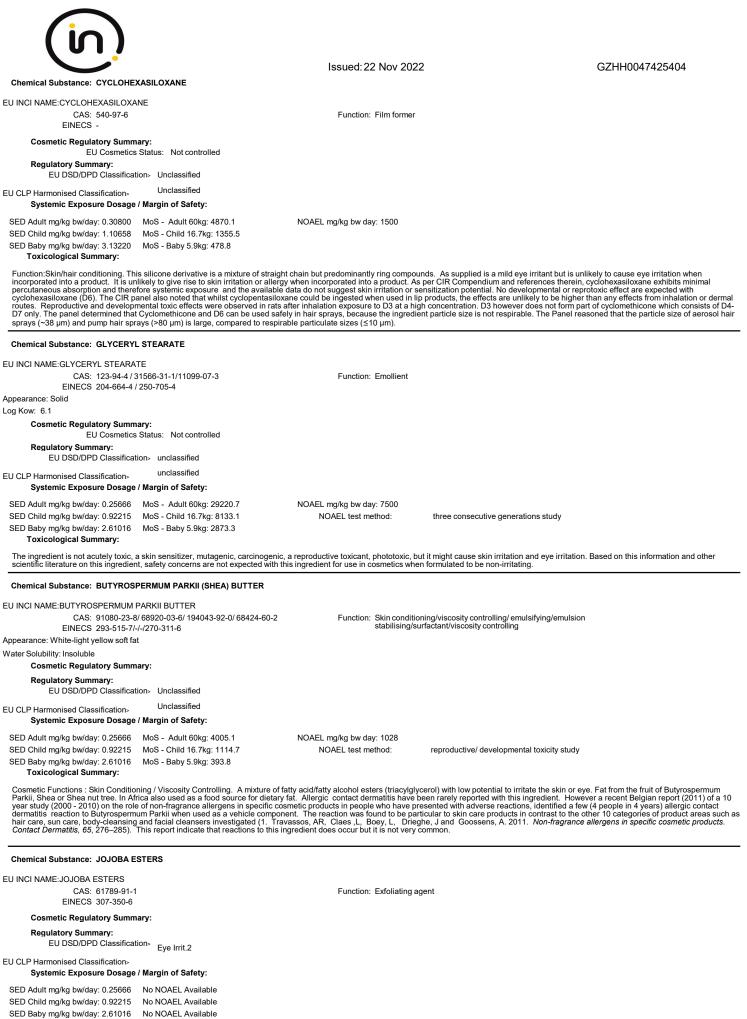
 Toxicological Summary:
 Candelilla/Jojoba/Rice Bran Polyglyceryl-3 Esters is a product obtained by the transesterification of Polyglycerin-3 (q.v.) and Euphorbia Cerifera (Candelilla) Wax (q.v.), and Simmondsia Chinensis (Jojoba) Seed

 Wax (q.v.) and Oryza Sativa (Rice) Bran Wax (q.v.).

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Function: Additive

Issued: 22 Nov 2022



Toxicological Summary:

Cosmetic Functions : Emollient / Moisturising / Skin Conditioning / Soothing. Mixed fatty esters of vegetable origin. Low potential to irritate the skin and eye. Unlikely to be allergenic.



	Issued: 22 Nov 2022	GZHH0047425404
Chemical Substance: SIMMONDSIA CHINENSIS (JOJOBA) SEED OIL		
EU INCI NAME:SIMMONDSIA CHINENSIS OIL CAS: 61789-91-1/90045-98-0 EINECS 289-964-3	Function: Botanical	
Cosmetic Regulatory Summary: EU Cosmetics Status: Not controlled		
Regulatory Summary: EU DSD/DPD Classification> Unclassified		
EU CLP Harmonised Classification» Systemic Exposure Dosage / Margin of Safety:		
SED Adult mg/kg bw/day: 0.25666       No NOAEL Available         SED Child mg/kg bw/day: 0.92215       No NOAEL Available         SED Baby mg/kg bw/day: 2.61016       No NOAEL Available         Toxicological Summary:       No NOAEL Available		
Cosmetic Functions : Emollient / Hair & Skin Conditioning. Jojoba oil, a non-ionic surfactant is expressed or ex hypodilergenic and has been used as a folk remedy by native North Americans. Jojoba waxesiolis have been r monounsaturade, straight-chain fatty acids and alcohds with hiph-molecular weights has been found safe for u (white rabbil). Hydrotyzed Jojoba Esters (20%) to be non-irritating to guinea pigs. Seed Wax was moderately o significant dermal irritant, no a sensitizer, no hotoloxic. Non sensitizing in repeati insult patch test at induction carcinogenicity. These ingredients can enhance the penetration of other ingredients through the skin (e.g. flucc	eviewed by the CIR expert panel and found to be safe for use at present practices. Jojoba oll while se upto 100% in cosmetic leave on products such as body creams and oils. Not an acute toxicar omedogenic in tests using rabbits, but Jojoba Esters was non comedogenic, and Jojoba Esters w or challenge. Ingredient particle size is cosmetic aerosols is not respirable in aerosols or pump .	ch is expressed from seeds and is composed almost completely (97%) of wax esters of nt LD50>5g/kg. Not toxic dermally in animal experiments. Non irritating to slightly irriting to the eye were non- to slightly- comedogenic. Non mutagenic in the Arnes test. Seed Oil was neither a
Chemical Substance: SILICA		
EU INCI NAME:SILICA CAS: 7631-86-9 / 112945-52-5 / 60676-86-0 /63231-67 EINECS 231-545-4/ -/ 262-373-8 Appearance: White fluffy powder (CIR, 2009) Water Solubility: Ipostuble (JECEA 1972)	-4 Function: Abrasive/ Absorbent/ Anticaking/ B Viscosity Controlling	ulking, Opacifying/
Water Solubility: Insoluble (JECFA, 1973) Cosmetic Regulatory Summary: EU Cosmetics Status: Not controlled Regulatory Summary: EU DSD/DPD Classification> unclassified		
EU CLP Harmonised Classification> unclassified Systemic Exposure Dosage / Margin of Safety:		
SED Adult mg/kg bw/day: 0.12833         MoS - Adult 60kg: 69974.0           SED Child mg/kg bw/day: 0.46107         MoS - Child 16.7kg: 19476.1           SED Baby mg/kg bw/day: 1.30508         MoS - Baby 5.9kg: 6880.7           Toxicological Summary:         Formation of the second se	NOAEL mg/kg bw day: 8980 NOAEL test method: 6 months oral in ra	ts
The ingredient is not acutely toxic by oral or dermal administration or inha bioaccumulation potential. No data was available for phototoxicity. Based cosmetics.	lation. It is not a skin irritant, an eye irritant, a skin sensitizer. It i on this information and other scientific literature on this ingredie	s not mutagenic, carcinogenic nor a reproductive toxicant. It has low nt, safety concerns are not expected with this ingredient for use in
Chemical Substance: TOCOPHERYL ACETATE		
EU INCI NAME:TOCOPHERYL ACETATE CAS: 7695-91-2 / 58-95-7 EINECS 231-710-0 / 200-405-4 Appearance: Pale yellow viscous oil (HSDB, 2006) Log Kow: 12 (estimated) (HSDB 2006) Water Solubility: immiscible	Function: Antioxidant Boiling Point: 200-220	
Cosmetic Regulatory Summary: EU Cosmetics Status: Not controlled Regulatory Summary: EU DSD/DPD Classification> Unclassified		
EU CLP Harmonised Classification> Unclassified Systemic Exposure Dosage / Margin of Safety:		
SED Adult mg/kg bw/day: 0.12833         MoS - Adult 60kg: 974.0           SED Child mg/kg bw/day: 0.46107         MoS - Child 16.7kg: 271.1           SED Baby mg/kg bw/day: 1.30508         MoS - Baby 5.9kg: 95.7           Toxicological Summary:         Formation of the second s	NOAEL mg/kg bw day: 125 NOAEL test method: oral study in rat	
The ingredient is not acutely toxic, mutagenic, carcinogenic and reproduc Compendium 2012; HSDB, 2006; WHO, 1986; SCF, 2003). Based on this cosmetics when formulated to be non-irritating.	tive toxicant. It is neither a skin irritant, eye irritant nor a skin ser information and other scientific literature on this ingredient, saf	sitizer. It is not a photo sensitizer and not a bioaccumulative. (CIR ety concerns are not expected with this ingredient for use in
Chemical Substance: ACACIA DECURRENS FLOWER WAX		
EU INCI NAME:ACACIA DECURRENS FLOWER CERA CAS: 98903-76-5 EINECS 308-877-4		
Cosmetic Regulatory Summary: EU Cosmetics Status: Not controlled EU DSD/DPD Classification>		
EU CLP Harmonised Classification> Systemic Exposure Dosage / Margin of Safety:		
SED Adult mg/kg bw/day: 0.12833 No NOAEL Available		

SED Adult mg/kg bw/day: 0.12833No NOAEL AvailableSED Child mg/kg bw/day: 0.46107No NOAEL Available SED Baby mg/kg bw/day: 1.30508 No NOAEL Available **Toxicological Summary:** 

Cosmetic function: skin conditioning, protecting and emollient. Wax obtained from the flowers of Acacia decurrens, Leguminosae. Acacia decurrens can be substitute for Gum Arabic, for example in the production of fruit jelly.



Chemical Substance: HELIANTH	US ANNUUS (SUNFLOWER) SEE	ED WAX	
EU DSD/DPD Classificat	ion>		
EU CLP Harmonised Classification> Systemic Exposure Dosage	/ Margin of Safety:		
SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 Toxicological Summary:	No NOAEL Available No NOAEL Available No NOAEL Available		
Helianthus Annuus (Sunflower) S	Seed Wax is the wax obtained from	the seed of the sunflower,?Helianthus annuus.	
Chemical Substance: LACTOBA	CILLUS/RICE FERMENT		
	•		
EU DSD/DPD Classificat	ION>		
Systemic Exposure Dosage	/ Margin of Safety:		
SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 Toxicological Summary:	No NOAEL Available No NOAEL Available No NOAEL Available		
Lactobacillus/Rice Ferment is the	product obtained by the fermentation	ion of Oryza Sativa (rice) by the microorganism,?Lactobacillus.	
Chemical Substance: BIOSACCH	IARIDE GUM-1		
EU INCI NAME:BIOSACCHARIDE GU CAS: 194237-89-		Function: Biological	
	•		
EU DSD/DPD Classificat			
Sep Adult malka buldou: 0 12922			
Systemic Exposure Dosage SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 Toxicological Summary:	/ Margin of Safety: No NOAEL Available No NOAEL Available No NOAEL Available		
SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 <b>Toxicological Summary:</b> Biosaccharide Gum -1 (Fucogel): B derived from soybean hydrolysis. B power on the skin. It is able to retai	No NOAEL Available No NOAEL Available No NOAEL Available iologically produced polysaccharidd ecause it is a blend of polysaccharid n water in the same manner as hyal	le. It is obtained by microbial fermentation from vegetal raw materials. T ides it is able to provide the skin with a double hydration effect. Its imm luronic acid, a very popular and efficient humectant commonly used in h bacteria instead of bacteria binding to the skin and causing odor. Unl	ediate action is from its excellent substantivity or film forming cosmetics. Displays anti-adhesive properties (deodorant
SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 <b>Toxicological Summary:</b> Biosaccharide Gum -1 (Fucogel): B derived from soybean hydrolysis. B power on the skin. It is able to retai	No NOAEL Available No NOAEL Available No NOAEL Available iologically produced polysaccharide ecause it is a blend of polysacchari n water in the same manner as hyal accharide gum-1 is able to bind with	ides it is able to provide the skin with a double hydration effect. Its imm luronic acid, a very popular and efficient humectant commonly used in h bacteria instead of bacteria binding to the skin and causing odor. Unl	ediate action is from its excellent substantivity or film forming cosmetics. Displays anti-adhesive properties (deodorant
SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 <b>Toxicological Summary:</b> Biosaccharide Gum -1 (Fucogel): B derived from soybean hydrolysis. B power on the skin. It is able to retain properties). The anti-adhesive bios	No NOAEL Available No NOAEL Available No NOAEL Available iologically produced polysaccharide ecause it is a blend of polysacchari n water in the same manner as hyal accharide gum-1 is able to bind with	ides it is able to provide the skin with a double hydration effect. Its imm luronic acid, a very popular and efficient humectant commonly used in h bacteria instead of bacteria binding to the skin and causing odor. Unl	ediate action is from its excellent substantivity or film forming cosmetics. Displays anti-adhesive properties (deodorant
SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 Toxicological Summary: Biosaccharide Gum -1 (Fucogel): B derived from soybean hydrolysis. B power on the skin. It is able to retai properties). The anti-adhesive bios Chemical Substance: PHYTOSTE CAS: -	No NOAEL Available No NOAEL Available No NOAEL Available iologically produced polysaccharide ecause it is a blend of polysaccharin or water in the same manner as hyal accharide gum-1 is able to bind with	ides it is able to provide the skin with a double hydration effect. Its imm luronic acid, a very popular and efficient humectant commonly used in h bacteria instead of bacteria binding to the skin and causing odor. Unl	ediate action is from its excellent substantivity or film forming cosmetics. Displays anti-adhesive properties (deodorant
SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 Toxicological Summary: Biosaccharide Gum -1 (Fucogel): B derived from soybean hydrolysis. B power on the skin. It is able to retai properties). The anti-adhesive bios Chemical Substance: PHYTOSTE CAS: - EINECS - EU DSD/DPD Classificat EU CLP Harmonised Classification-	No NOAEL Available No NOAEL Available No NOAEL Available iologically produced polysaccharide ecause it is a blend of polysacchari n water in the same manner as hyal accharide gum-1 is able to bind with	ides it is able to provide the skin with a double hydration effect. Its imm luronic acid, a very popular and efficient humectant commonly used in h bacteria instead of bacteria binding to the skin and causing odor. Unl	ediate action is from its excellent substantivity or film forming cosmetics. Displays anti-adhesive properties (deodorant
SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 Toxicological Summary: Biosaccharide Gum -1 (Fucogel): B derived from soybean hydrolysis. B power on the skin. It is able to retain properties). The anti-adhesive bios Chemical Substance: PHYTOSTE CAS: - EINECS - EU DSD/DPD Classificat EU CLP Harmonised Classification- Systemic Exposure Dosage	No NOAEL Available No NOAEL Available No NOAEL Available iologically produced polysaccharide ecause it is a blend of polysaccharid nwater in the same manner as hyal accharide gum-1 is able to bind with ERYL/OCTYLDODECYL LAUROYL	ides it is able to provide the skin with a double hydration effect. Its imm luronic acid, a very popular and efficient humectant commonly used in h bacteria instead of bacteria binding to the skin and causing odor. Unl	ediate action is from its excellent substantivity or film forming cosmetics. Displays anti-adhesive properties (deodorant
SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 Toxicological Summary: Biosaccharide Gum -1 (Fucogel): B derived from soybean hydrolysis. B power on the skin. It is able to retain properties). The anti-adhesive bios Chemical Substance: PHYTOSTE CAS: - EINECS - EU DSD/DPD Classificat EU CLP Harmonised Classification- Systemic Exposure Dosage	No NOAEL Available No NOAEL Available No NOAEL Available iologically produced polysaccharide ecause it is a blend of polysacchari n water in the same manner as hyal accharide gum-1 is able to bind with	ides it is able to provide the skin with a double hydration effect. Its imm luronic acid, a very popular and efficient humectant commonly used in h bacteria instead of bacteria binding to the skin and causing odor. Unl	ediate action is from its excellent substantivity or film forming cosmetics. Displays anti-adhesive properties (deodorant
SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 Toxicological Summary: Biosaccharide Gum -1 (Fucogel): B derived from soybean hydrolysis. B power on the skin. It is able to retai properties). The anti-adhesive bios Chemical Substance: PHYTOSTE CAS: - EINECS - EU DSD/DPD Classificat EU CLP Harmonised Classification- Systemic Exposure Dosage SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 1.30508 Toxicological Summary:	No NOAEL Available No NOAEL Available No NOAEL Available iologically produced polysaccharide ecause it is a blend of polysaccharin water in the same manner as hyal accharide gum-1 is able to bind with ERYL/OCTYLDODECYL LAUROYL ion- / Margin of Safety: No NOAEL Available No NOAEL Available No NOAEL Available	ides it is able to provide the skin with a double hydration effect. Its imm luronic acid, a very popular and efficient humectant commonly used in h bacteria instead of bacteria binding to the skin and causing odor. Unl	ediate action is from its excellent substantivity or film forming cosmetics. Displays anti-adhesive properties (deodorant
SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 Toxicological Summary: Biosaccharide Gum -1 (Fucogel): B derived from soybean hydrolysis. B power on the skin. It is able to retai properties). The anti-adhesive bios Chemical Substance: PHYTOSTE CAS: - EINECS - EU DSD/DPD Classificat EU CLP Harmonised Classification- Systemic Exposure Dosage SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 1.30508 Toxicological Summary:	No NOAEL Available No NOAEL Available No NOAEL Available iologically produced polysaccharide ecause it is a blend of polysaccharid n water in the same manner as hyal accharide gum-1 is able to bind with ERYL/OCTYLDODECYL LAUROYL ion- / Margin of Safety: No NOAEL Available No NOAEL Available No NOAEL Available No NOAEL Available	ides it is able to provide the skin with a double hydration effect. Its imm luronic acid, a very popular and efficient humectant commonly used in h bacteria instead of bacteria binding to the skin and causing odor. Unl	ediate action is from its excellent substantivity or film forming cosmetics. Displays anti-adhesive properties (deodorant
SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.126107 SED Baby mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 Toxicological Summary: Biosaccharide Gum -1 (Fucogel): B derived from soybean hydrolysis. B power on the skin. It is able to retain properties). The anti-adhesive bios Chemical Substance: PHYTOSTE CAS: - EINECS - EU DSD/DPD Classification- Systemic Exposure Dosage SED Adult mg/kg bw/day: 0.42833 SED Child mg/kg bw/day: 0.42833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 Toxicological Summary: Phytosteryl/Octyldodecyl Laurold O Chemical Substance: CAPRYLHY	No NOAEL Available No NOAEL Available No NOAEL Available iologically produced polysaccharide ecause it is a blend of polysaccharin water in the same manner as hyal accharide gum-1 is able to bind with eryL/OCTYLDODECYL LAUROYL ion> / Margin of Safety: No NOAEL Available No NOAEL Available No NOAEL Available No NOAEL Available Slutamate is the mixed ester of phyt	ides it is able to provide the skin with a double hydration effect. Its imm luronic acid, a very popular and efficient humectant commonly used in h bacteria instead of bacteria binding to the skin and causing odor. Unl	ediate action is from its excellent substantivity or film forming cosmetics. Displays anti-adhesive properties (deodorant
SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 Toxicological Summary: Biosaccharide Gum -1 (Fuccgel): B derived from soybean hydrolysis. B power on the skin. It is able to retail properties). The anti-adhesive bios Chemical Substance: PHYTOSTE CAS: - EINECS - EU DSD/DPD Classification- Systemic Exposure Dosage SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.12834 SED Adult mg/kg bw/day: 0.12834 SED Adult mg/kg bw/day: 0.12834 SED Child mg/kg bw/day:	No NOAEL Available No NOAEL Available No NOAEL Available iologically produced polysaccharid ecause it is a blend of polysaccharid accharide gum-1 is able to bind with ERYL/OCTYLDODECYL LAUROYL ion> / Margin of Safety: No NOAEL Available No NOAEL Available No NOAEL Available Slutamate is the mixed ester of phyt /DROXAMIC ACID IC ACID ary: Status: Not controlled	ides it is able to provide the skin with a double hydration effect. Its imm luronic acid, a very popular and efficient humectant commonly used in h bacteria instead of bacteria binding to the skin and causing odor. Unl	ediate action is from its excellent substantivity or film forming cosmetics. Displays anti-adhesive properties (deodorant
SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 Toxicological Summary: Biosaccharide Gum -1 (Fucogel): B derived from soybean hydrolysis. B power on the skin. It is able to retail properties). The anti-adhesive bios Chemical Substance: PHYTOSTE CAS: - EINECS - EU DSD/DPD Classification- Systemic Exposure Dosage SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 0.42833 SED Child mg/kg bw/day: 0.42833 SED Child mg/kg bw/day: 1.30508 Toxicological Summary: Phytosteryl/Octyldodecyl Lauroyl O Chemical Substance: CAPRYLHY EU INCI NAME:CAPRYLHYDROXAM CAS: 7377-03-9 EINECS - Cosmetic Regulatory Summ EU Cosmetics EU DSD/DPD Classificat	No NOAEL Available No NOAEL Available No NOAEL Available iologically produced polysaccharid ecause it is a blend of polysaccharid accharide gum-1 is able to bind with ERYL/OCTYLDODECYL LAUROYL ion> / Margin of Safety: No NOAEL Available No NOAEL Available No NOAEL Available Slutamate is the mixed ester of phyt /DROXAMIC ACID IC ACID ary: Status: Not controlled	ides it is able to provide the skin with a double hydration effect. Its imm luronic acid, a very popular and efficient humectant commonly used in h bacteria instead of bacteria binding to the skin and causing odor. Unl	ediate action is from its excellent substantivity or film forming cosmetics. Displays anti-adhesive properties (deodorant
SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 1.30508 Toxicological Summary: Biosaccharide Gum -1 (Fucogel): B derived from soybean hydrolysis. B power on the skin. It is able to retail properties). The anti-adhesive bios Chemical Substance: PHYTOSTE CAS: - EINECS - EU DSD/DPD Classification- Systemic Exposure Dosage SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 0.42833 SED Child mg/kg bw/day: 0.42833 SED Child mg/kg bw/day: 1.30508 Toxicological Summary: Phytosteryl/Octyldodecyl Lauroyl O Chemical Substance: CAPRYLHY EU INCI NAME:CAPRYLHYDROXAM CAS: 7377-03-9 EINECS - Cosmetic Regulatory Summ EU Cosmetics EU DSD/DPD Classificat	No NOAEL Available No NOAEL Available No NOAEL Available iologically produced polysaccharidd ecause it is a blend of polysaccharid mwater in the same manner as hyal accharide gum-1 is able to bind with <b>ERYL/OCTYLDODECYL LAUROYL</b> ion> / Margin of Safety: No NOAEL Available No NOAEL Available No NOAEL Available No NOAEL Available Slutamate is the mixed ester of phyth /DROXAMIC ACID IC ACID ary: Status: Not controlled ion>	ides it is able to provide the skin with a double hydration effect. Its imm luronic acid, a very popular and efficient humectant commonly used in h bacteria instead of bacteria binding to the skin and causing odor. Unl	ediate action is from its excellent substantivity or film forming cosmetics. Displays anti-adhesive properties (deodorant
SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.46107 SED Baby mg/kg bw/day: 0.30508 Toxicological Summary: Biosaccharide Gum -1 (Fucogel): B derived from soybean hydrolysis. B power on the skin. It is able to retail properties). The anti-adhesive bios Chemical Substance: PHYTOSTE CAS: - EINECS - EU DSD/DPD Classification- Systemic Exposure Dosage SED Adult mg/kg bw/day: 0.12833 SED Child mg/kg bw/day: 0.30508 Toxicological Summary: Phytosteryl/Octyldodecyl Lauroyl ( Chemical Substance: CAPRYLHY EU INCI NAME:CAPRYLHYDROXAM CAS: 7377-03-9 EINECS - Cosmetic Regulatory Summ EU Cosmetics EU DSD/DPD Classification-	No NOAEL Available No NOAEL Available No NOAEL Available iologically produced polysaccharidd ecause it is a blend of polysaccharid mwater in the same manner as hyal accharide gum-1 is able to bind with <b>ERYL/OCTYLDODECYL LAUROYL</b> ion> / Margin of Safety: No NOAEL Available No NOAEL Available No NOAEL Available No NOAEL Available Slutamate is the mixed ester of phyth /DROXAMIC ACID IC ACID ary: Status: Not controlled ion>	ides it is able to provide the skin with a double hydration effect. Its imm luronic acid, a very popular and efficient humectant commonly used in h bacteria instead of bacteria binding to the skin and causing odor. Unl	ediate action is from its excellent substantivity or film forming cosmetics. Displays anti-adhesive properties (deodorant



EINECS -

EU DSD/DPD Classification>

### EU CLP Harmonised Classification>

Systemic Exposure Dosage / Margin of Safety:SED Adult mg/kg bw/day: 0.07700No NOAEL AvailableSED Child mg/kg bw/day: 0.27664No NOAEL AvailableSED Baby mg/kg bw/day: 0.78305No NOAEL Available

### Toxicological Summary:

Glycerylamidoethyl Methacrylate/Stearyl Methacrylate Copolymer is a copolymer of glycerylamidoethyl methacrylate and?Stearyl Methacrylate?(q.v.) monomers.

#### Chemical Substance: GLYCERYL CAPRYLATE

EU INCI NAME:GLYCERYL CAPRYLATE CAS: 26402-26-6

Function: Surfactant

#### **Cosmetic Regulatory Summary:**

#### EU Cosmetics Status: Not controlled

Regulatory Summary:

EU DSD/DPD Classification> Unclassified

### EU CLP Harmonised Classification>

Systemic Exposure Dosage / Margin of Safety:SED Adult mg/kg bw/day: 0.07700No NOAEL AvailableSED Child mg/kg bw/day: 0.27664No NOAEL AvailableSED Baby mg/kg bw/day: 0.78305No NOAEL Available

#### Toxicological Summary:

Function: Emollient and emulsifying agent. This is a glyceryl ester of a conditioning agent. May cause some skin and eye irritation if used neat though when incorporated into a cosmetic product, any adverse health effect is unlikely.

#### Chemical Substance: HYDROXYETHYL ACRYLATE/SODIUM ACRYLOYLDIMETHYL TAURATE COPOLYMER

Chemical Substance: GLYCERYLAMIDOETHYL METHACRYLATE/STEARYL METHACRYLATE COPOLYMER

CAS: 111286-86-3 EINECS -

EU DSD/DPD Classification>

#### EU CLP Harmonised Classification>

 Systemic Exposure Dosage / Margin of Safety:

 SED Adult mg/kg bw/day: 0.05133
 No NOAEL Available

 SED Child mg/kg bw/day: 0.18443
 No NOAEL Available

 SED Baby mg/kg bw/day: 0.52203
 No NOAEL Available

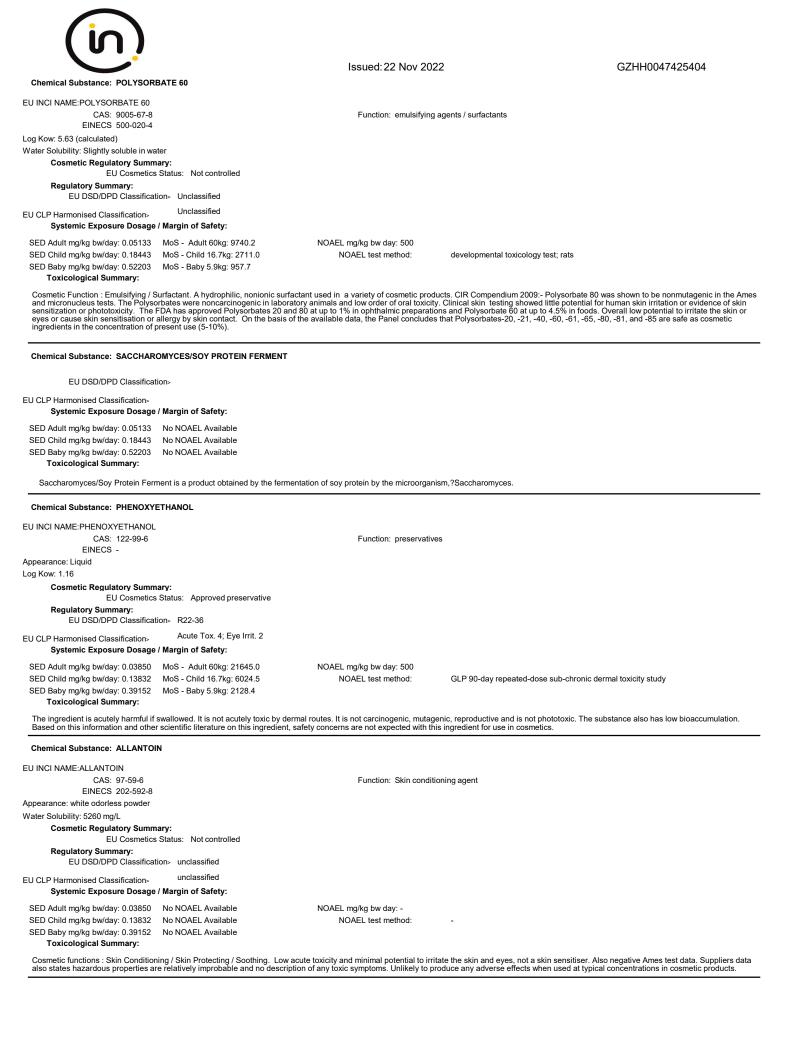
Toxicological Summary:

Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer is a copolymer of sodium hydroxyethyl acrylate and acryloyldimethyl taurate monomers.

#### Chemical Substance: POLYETHYLENE

EU INCI NAME:POLYETHYLENE				
CAS: 9002-88-4 EINECS 200-815-3		Function: antistatic agents / binders / emulsion stabilisers / film formers / viscosity controlling agents		
Appearance: solid		Melting Point: 85 - 90 (+/- 5 °C)	*	
Cosmetic Regulatory Summa EU Cosmetics	ary: Status: Not controlled			
Regulatory Summary: EU DSD/DPD Classification	on> unclassified			
EU CLP Harmonised Classification> Systemic Exposure Dosage /	unclassified Margin of Safety:			
SED Adult mg/kg bw/day: 0.05133	MoS - Adult 60kg: 97402.5	NOAEL mg/kg bw day: 5000		
SED Child mg/kg bw/day: 0.18443 SED Baby mg/kg bw/day: 0.52203 Toxicological Summary:	MoS - Child 16.7kg: 27110.3 MoS - Baby 5.9kg: 9577.9	NOAEL test method:	90 day dietary study	

The ingredient is not acutely toxic by oral administration or inhalation. Undiluted polyethylene is mildly irritating to the skin at molecular weights of 655 Da, but not at 450 Da. Undiluted polyethylene is mildly irritating to the eyes. It is not skin sensitizing or mutagenic. It is not carcinogenic when used in cosmetics. It is non-bioaccumulative. No data was available for reproductive toxicity or phototoxicity. Based on this information and other scientific literature on this ingredient, safety concerns are not expected with this ingredient for use in cosmetics when formulated to be non-irritating.





### Chemical Substance: CARNOSINE

EU INCI NAME:CARNOSINE CAS: 305-84-0 EINECS 206-169-9

EINECS 206-169-

#### Cosmetic Regulatory Summary:

EU Cosmetics Status: Not controlled

Regulatory Summary: EU DSD/DPD Classification> Unclassified

EU CLP Harmonised Classification>

#### Systemic Exposure Dosage / Margin of Safety:

SED Adult mg/kg bw/day: 0.03850 No NOAEL Available SED Child mg/kg bw/day: 0.13832 No NOAEL Available SED Baby mg/kg bw/day: 0.39152 No NOAEL Available Toxicological Summary: Issued: 22 Nov 2022

GZHH0047425404

Function: Skin conditioning agent Melting Point: 253

Cosmetic function: skin conditioning. This is a natural occurring antioxidant comprising of two amino acids, alanine and histidine. It is generally used in anti-aging products. Material when tested on animals shown to retard cancer growth and protect against alcohol-induced oxidative stressas well as ethanol-induced chronic liver damage. Carnosine found to be neuroprotective against permanent cerebral ischemia in mice model. Listed on CosIng as an cosmetic ingredient.

#### Chemical Substance: MALTITOL

EU INCI NAME:MALTITOL CAS: 585-88-6

#### **Regulatory Summary:**

EU DSD/DPD Classification> unclassified

#### EU CLP Harmonised Classification> Systemic Exposure Dosage / Margin of Safety:

SED Adult mg/kg bw/day: 0.02566	No NOAEL Available
SED Child mg/kg bw/day: 0.09221	No NOAEL Available
SED Baby mg/kg bw/day: 0.26101	No NOAEL Available
, , , , , , , , , , , , , , , , , , , ,	no no lez / nalabio
Toxicological Summary:	

A disaccharide obtained by the hydrogenation of maltose. Unlikely to cause harm, irritation or allergy.

#### Chemical Substance: POLYGLYCERIN-3

EINECS 2438-80-4 (L-)/3615-37-0 (D-)

#### EU DSD/DPD Classification>

EU CLP Harmonised Classification>

#### Systemic Exposure Dosage / Margin of Safety:

SED Adult mg/kg bw/day: 0.02566	No NOAEL Available
SED Child mg/kg bw/day: 0.09221	No NOAEL Available
SED Baby mg/kg bw/day: 0.26101	No NOAEL Available
Toxicological Summary:	

Polyglycerin-3 is a glycerin polymer containing 3 glycerin units.

#### Chemical Substance: SODIUM STEAROYL LACTYLATE

EU INCI NAME:SODIUM STEAROYL LACTYLATE CAS: 25383-99-7

EINECS 246-929-7

### Cosmetic Regulatory Summary:

EU Cosmetics Status: Not controlled

#### Regulatory Summary:

EU DSD/DPD Classification> Unclassified

#### EU CLP Harmonised Classification>

Systemic Exposure Dosage / Margin of Safety: SED Adult mg/kg bw/day: 0.02566 No NOAEL Available

SED Child mg/kg bw/day: 0.09221 No NOAEL Available SED Baby mg/kg bw/day: 0.26101 No NOAEL Available Toxicological Summary:

As supplied not classified as Dangerous according to the CHIP Health criteria. Claimed to have low potential to cause irritancy. Unlikely to cause problems if used at up to 2% in a cosmetic product.

Function: emulsifying agents

### Chemical Substance: FUCOSE

EU DSD/DPD Classification>

#### EU CLP Harmonised Classification> Systemic Exposure Dosage / Margin of Safety:

.,	5
SED Adult mg/kg bw/day: 0.02566	No NOAEL Available
SED Child mg/kg bw/day: 0.09221	No NOAEL Available
SED Baby mg/kg bw/day: 0.26101	No NOAEL Available
Toxicological Summary:	

Fucose is a deoxyhexose that is present in a wide ?variety of organisms;?unlike most sugars, fucose occurs in ?nature as the L-form and lacks a hydroxyl group on the carbon ?at the 6-position (C-6).

$\bigcirc$			
( in )			
		Issued:22 Nov 2022	GZHH0047425404
Chemical Substance: GLYCOSA	MINOGLYCANS		
EU INCI NAME:GLYCOSAMINOGLY CAS: 94945-04-7 EINECS 56090-54-1		Function: emollients / film formers	
EU DSD/DPD Classificat	tion>		
EU CLP Harmonised Classification> Systemic Exposure Dosage	/ Margin of Safety:		
SED Adult mg/kg bw/day: 0.02566 SED Child mg/kg bw/day: 0.09221 SED Baby mg/kg bw/day: 0.26101 Toxicological Summary:	No NOAEL Available No NOAEL Available No NOAEL Available		
This skin conditioning agent is a mi	ixture of mucopolysaccharides p	repared from shark cartilage (MSDS). Unlikely to give rise to skin irritation or	allergy when incorporated into a cosmetic product.
Chemical Substance: HYDROXY	ACETOPHENONE		
EU INCI NAME:HYDROXYACETOPH CAS: 99-93-4 EINECS 202-802-80 Appearance: solid (REACH Dossiers, Water Solubility: 10 g/L at 22 °C Cosmetic Regulatory Summ EU Cosmetics	(I) 2017)	Melting Point: 109 °C (REACH Dossiers, 2017) Boiling Point: the normal boiling temperature could not be o	letermined
Regulatory Summary: EU DSD/DPD Classificat	tion> Unclassfied		
EU CLP Harmonised Classification> Systemic Exposure Dosage	Unclassfied / Margin of Safety:		
SED Adult mg/kg bw/day: 0.02566 SED Child mg/kg bw/day: 0.09221 SED Baby mg/kg bw/day: 0.26101 Toxicological Summary:	MoS - Adult 60kg: 1753.2 MoS - Child 16.7kg: 487.9 MoS - Baby 5.9kg: 172.4	NOAEL mg/kg bw day: 45 NOAEL test method: 90 day to rats by oral	
	an eye irritant, a skin sensitizer his information and other scient	mutagenic, a reproductive toxicant, but it is an eye irritant. No safety concer fic literature on this ingredient, safety concerns are not expected with this ing	n at current levels of intake when used as a flavouring agent by gredient for use in cosmetics when formulated to be non-
Chemical Substance: PEG/PPG-	20/15 DIMETHICONE		
CAS: polymer EINECS polymer		Function: Emollient/Hair & Skin Conditioning	
Regulatory Summary: EU DSD/DPD Classificat	tion- Unclassified		
EU CLP Harmonised Classification> Systemic Exposure Dosage	• / Margin of Safety:		
SED Adult mg/kg bw/day: 0.02566 SED Child mg/kg bw/day: 0.09221 SED Baby mg/kg bw/day: 0.26101 Toxicological Summary:	No NOAEL Available No NOAEL Available No NOAEL Available		
A water soluble polymer of dimethy	Isiloxane with polyoxyethylene	and polyoxypropylene side chains. This silicone derivative has little potential	to irritate the skin or eye and is not a sensitiser.
Chemical Substance: SERINE			
EU INCI NAME:SERINE CAS: 302-84-1 EINECS 206-130-6		Function: antistatic agents	
Cosmetic Regulatory Summ	nary:		
EU DSD/DPD Classificat	tion>		
EU CLP Harmonised Classification> Systemic Exposure Dosage	• / Margin of Safety:		
SED Adult mg/kg bw/day: 0.02566 SED Child mg/kg bw/day: 0.09221 SED Baby mg/kg bw/day: 0.26101 Toxicological Summary:	No NOAEL Available No NOAEL Available No NOAEL Available		
An amino acid used for its moisturis	sing and antistatic properties. A	typical levels of use, unlikely to cause allergy or irritation.	



Chemical Substance: SODIUM POLYGLUTAMATE

EU INCI NAME:SODIUM POLYGLUTAMATE CAS: 28829-38-1 EINECS polymer

Issued: 22 Nov 2022

Function: humectants

#### EU DSD/DPD Classification>

#### EU CLP Harmonised Classification>

#### Systemic Exposure Dosage / Margin of Safety:

SED Adult mg/kg bw/day: 0.02566 No NOAEL Available SED Child mg/kg bw/day: 0.09221 No NOAEL Available SED Baby mg/kg bw/day: 0.26101 No NOAEL Available Toxicological Summary:

Synthetic polymer formed by the polymerization of glutamic acid. Used as a skin and hair conditioning agent this polymer if a naturally occurring amino acid is not expected to present any risks to health when used in cosmetics.

### Chemical Substance: SORBITAN ISOSTEARATE

EU INCI NAME:SORBITAN ISOSTEARATE CAS: 71902-01-7 EINECS 276-171-2

Function: emulsifying agents

#### Regulatory Summary:

EU DSD/DPD Classification> unclassified

#### EU CLP Harmonised Classification> Systemic Exposure Dosage / Margin of Safety:

SED Adult mg/kg bw/day: 0.02566	No NOAEL Available
SED Child mg/kg bw/day: 0.09221	No NOAEL Available
SED Baby mg/kg bw/day: 0.26101	No NOAEL Available
Toxicological Summary:	

Function: Surfactant/Emulsifier. Sorbitan ester are waxy solids or viscous liquids. These esters are mono-, di-, and triesters of fatty acids and sorbitol. They are used in a variety of products including skin care products, moisturizers, cleansing products, and eye and facial makeup. The sorbitan esters are produced by reacting the polyol, sorbitol, with a fatty acids (caprylic, coconut oil-derived fatty acids), isostearic, oleic, stearic, isostearic, olive, stearic, isostearic, olive oil-derived fatty acids). Sorbitol and the fatty acids are naturally occurring chemicals and are used in cosmetic products. Used as thicknews in food and cosmetics and is EDA approved. Low potential to cause skin or eye irritancy. Low or alt oxicity (LD50, rat >5000 mg/kg). The CIR have completed an authoritative review on the use of sorbitan laurate and other sorbitan esters for their suitability in cosmetic products. Sorbitan esters show low toxicity by oral and dermal routes and subchronic and chronic toxicity is low. They are metabolized back to sorbitan and commons esters and then excreted. The lowest LD50 was 31,000 mg/kg for sorbitan stearate. The rat LD50 values from acute toxicity studies of sorbitan laurate anged from 33,600 mg/kg to 41,500 mg/kg (CIR 2000). Not a dermal irritant and not reported as a dermal toxicant. Chronic studies in animal produced no effects when the ester concentration in the diet was 40% (CIR 1985). Not reported as a skin sensitizer on intact skin but may cause sensitization on damaged skin . May induce cutaneous irritation in humans. Not reported as photosensitizers. Little potential for reproductive and developmental effects and do not show carcinogenic or mutagenic effects. At high concentration, cocarcinogenicity and tumour promotion (10% in mice) in dermal studies is observed but these concentrations are higher than what would be used in cosmetic oroducts (typically 5%) Inhalation is not expected to be a route of exposure given their high molecular weight, volatility and melting point.

In an addendum to their original report the CIR added that the sorbitan esters were to be relatively nontoxic via ingestion in acute and long-term studies, minimal to mild skin irritants. Sorbitan esters did not act as sensitizing agents. The fatty acid component, tested alone, typically caused only slight irritation and sensitization, and was not photosensitizing. Sorbitan esters were not ocular irritants. These esters and their corresponding fatty acids were not mutagenic. In clinical tests, sorbitan esters were generally minimal to mild skin irritants and were nonsensitizing, but Sorbitan Sesquioleate did produce an allergic reaction in fewer than 1% of patients with suspected contact dermatitis and addition of Sorbitan Sesquioleate to the components of a fragrance mix used in patch testing increased both irritant and allergic reactions to the fragrance mix. The CIR expert panel considered the use of sorbitan esters safe for use up to 20% in cosmetic formulations. They concluded that the cocarcinogenisis potential of sorbitan laurate was not relevant when considering the likely exposures and quantities in cosmetic formulations.

Function: Conditioning agent

Cosmetic Ingredient Review (CIR) Expert panel3 (1984, 1985,2000,2002), Joint FAOIWHO (Food and Agriculture Organization/World Health Organization)(JECFA) The High Production Volume (HPV) Chemical Challenge Program's Test Plan for the Sorbitan Esters Category of the Aliphatic Esters Chemicals prepared by the American Chemistry Council (ACC) in November, 2003.

#### Chemical Substance: PALMITOYL TRIPEPTIDE-8

EU INCI NAME: PALMITOYL TRIPEPTIDE-8

#### CAS: n/a

Appearance: Limpid solution

Water Solubility: miscible at r.t.

### **Cosmetic Regulatory Summary:**

EU Cosmetics Status: Not controlled

#### Regulatory Summary:

EU DSD/DPD Classification> Unclassified

Not controlled EU CLP Harmonised Classification>

### Systemic Exposure Dosage / Margin of Safety:

SED Adult mg/kg bw/day: 0.01283 No NOAEL Available SED Child mg/kg bw/day: 0.04610 No NOAEL Available SED Baby mg/kg bw/day: 0.13050 No NOAEL Available

Toxicological Summary:

Cosmetic function: skin conditioning. Palmitoyl Tripeptide-8 is the product obtained by the reaction of Palmitic acid and Tripeptide-8. It is a modified peptide aqueous/glycol/sugar solution used in cosmetic products to maintains the skin in good condition. The typical use in cosmetic products is unlikely to result in irritation or allergy.

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	133000.22 1000 2022		
Chemical Substance: BETA-GLUCAN			
EU INCI NAME:BETA-GLUCAN			
CAS: 26874-89-5 /53238-80-5 /55965-23-6	Function: Skin condition	ning agent	
EINECS 258-443-2/310-127-6	Boiling Point: 865.2 °C at 760 n	ımHg	
Appearance: powder			
Cosmetic Regulatory Summary: EU Cosmetics Status: Not controlled			
Regulatory Summary:			
EU DSD/DPD Classification> Unclassified			
EU CLP Harmonised Classification> Unclassified			
Systemic Exposure Dosage / Margin of Safety:			
SED Adult mg/kg bw/day: 0.01283 MoS - Adult 60kg: 584415.5	NOAEL mg/kg bw day: 7500		
SED Child mg/kg bw/day: 0.04610 MoS - Child 16.7kg: 162662.3	NOAEL test method:	99-114 wks in mice by oral	
SED Baby mg/kg bw/day: 0.13050 MoS - Baby 5.9kg: 57467.5 Toxicological Summary:			
	) linked glucose chains carrying b(1-6) link	red alucose sidechains. Used to enhance the immune system and to lower bloo	d
cholesterol levels. When use in cosmetic products should be uneventful.	b) mixed glucose chains carrying b(1-0) mi	ked glucose sidechains. Used to enhance the immune system and to lower blood	u
Chemical Substance: SODIUM HYALURONATE			
EU INCI NAME:SODIUM HYALURONATE			
CAS: 9067-32-7	Function: Humectant /	Skin Conditioning	
EINECS -			
Appearance: powder			
Cosmetic Regulatory Summary: EU Cosmetics Status: Not controlled			
Regulatory Summary:			
EU DSD/DPD Classification> unclassified			
EU CLP Harmonised Classification> unclassified			
Systemic Exposure Dosage / Margin of Safety:			
SED Adult mg/kg bw/day: 0.01283 MoS - Adult 60kg: 4675.3	NOAEL mg/kg bw day: 60		
SED Child mg/kg bw/day: 0.04610         MoS - Child 16.7kg: 1301.2           SED Baby mg/kg bw/day: 0.13050         MoS - Baby 5.9kg: 459.7	NOAEL test method:	Reproductive / Developmental Toxicity study	
Toxicological Summary:			
The ingredient is not acutely toxic via oral, a skin irritant, an eye irritant, a	skin sensitizer, mutagenic, a reproductive	toxicant, No enough information about the carcinogenic, bioaccumulative and ph	hototoxic.
Hyaluronic acid does not penetrate the skin.Based on this information and	d other scientific literature on this ingredien	toxicant, No enough information about the carcinogenic, bioaccumulative and ph it, safety concerns are not expected with this ingredient for use in cosmetics.	
Chemical Substance: 1,2-HEXANEDIOL			
EU INCI NAME:1,2-HEXANEDIOL			
CAS: 6920-22-5	Function: Solvent		
EINECS 230-029-6			
Cosmetic Regulatory Summary: EU Cosmetics Status: Not controlled			
Regulatory Summary:			
EU DSD/DPD Classification> Unclassified			
EU CLP Harmonised Classification>			
Systemic Exposure Dosage / Margin of Safety:			
SED Adult mg/kg bw/day: 0.01283 No NOAEL Available			
SED Child mg/kg bw/day: 0.04610 No NOAEL Available			
SED Baby mg/kg bw/day: 0.13050 No NOAEL Available Toxicological Summary:			
A diol alcohol, Hexane diol has the formula $CH_3(CH_2)_3CH_2CH(OH)CH_2OH$	This alcohol is widely used in coordination	products and incorporation into skin formulations will be upsyontful	
	n mis aconomis widery used in cosmetic p	nouses and meet per auent into SKIII termulations will be unevention.	
Chemical Substance: ARGININE			
EU INCI NAME:ARGININE			
CAS: 74-79-3 / 7200-25-1	Function: Antistatic/Hai	r & Skin Conditioning	
EINECS 200-811-1/230-571-3			
Cosmetic Regulatory Summary: EU Cosmetics Status: Not controlled			
EU DSD/DPD Classification>			
EU CLP Harmonised Classification>			
Systemic Exposure Dosage / Margin of Safety:			
SED Adult mg/kg bw/day: 0.01283 No NOAEL Available			
SED Child mg/kg bw/day: 0.04610 No NOAEL Available			
SED Baby mg/kg bw/day: 0.13050 No NOAEL Available Toxicological Summary:			
	Haning An approximation and the second		uh a n
Cosmetic Functions : Antistatic / Hair Conditioning / Masking / Skin Condi incorporated into a product	tioning. An essential amino acid with low p	otential to cause irritancy or toxicity. It is unlikely to give rise to adverse effects w	wnen

Cosmetic Functions : Antistatic / Hair Conditioning / Masking / Skin Conditioning. An essential amino acid with low potential to cause irritancy or toxicity. It is unlikely to give rise to adverse effects when incorporated into a product.



	Issued: 22 Nov 202	22	GZHH0047425404
Chemical Substance: CARBOMER			
EU INCI NAME:CARBOMER			
CAS: 54182-57-9 / 9007-20-9 / 9003-01-4 / 76050-42-5 / EINECS 9062-04-8 / 9007-16-3 / 9007-17-4 polymer	Function: Thickener		
Appearance: gel/powder			
Cosmetic Regulatory Summary: EU Cosmetics Status: May contain benzene whose use is	prohibited by Saudi legislation. S	hould be analyzed to ensure that	no benzene is present.
Regulatory Summary: EU DSD/DPD Classification> unclassified			
EU CLP Harmonised Classification> unclassified Systemic Exposure Dosage / Margin of Safety:			
SED Adult mg/kg bw/day: 0.01283 MoS - Adult 60kg: 7792.2	NOAEL mg/kg bw day: 100		
SED Child mg/kg bw/day: 0.04610         MoS - Child 16.7kg: 2168.8           SED Baby mg/kg bw/day: 0.13050         MoS - Baby 5.9kg: 766.2	NOAEL test method:	Chronic oral study	
Toxicological Summary:			
The ingredient is not acutely toxic by oral or dermal routes. It is considered to be photo-allergic and has no to low potential for skin sensitization. It has a low bioac reproductive/developmental toxicity or dermal/percutaneous absorption. However reproductive toxins). In addition, being a large polymer, dermal absorption should this ingredient for use in cosmetics.	acutely harmful by inhalation rout ccumulation potential. No informat er, it has not been identified on an d not occur. Based on this informa	te. It is non to minimally skin irritat tion is readily available on the ingr ny positive lists as having CMR po ation and other scientific literature	ting, non to moderately eye irritating, non phototoxic/non edient's mutagenicity, carcinogenicity, tential (substitution of carcinogens, mutagens and on this ingredient, safety concerns are not expected with
Chemical Substance: PALMITOYL TETRAPEPTIDE-7			
EU INCI NAME:PALMITOYL TETRAPEPTIDE-7			
CAS: polymer EINECS polymer	Function: Emollient/H	lair & Skin Conditioning	
Regulatory Summary: EU DSD/DPD Classification> Not classified			
EU CLP Harmonised Classification> Not classified Systemic Exposure Dosage / Margin of Safety:			
SED Adult mg/kg bw/day: 0.01283 No NOAEL Available			
SED Child mg/kg bw/day: 0.04610         No NOAEL Available           SED Baby mg/kg bw/day: 0.13050         No NOAEL Available			
Toxicological Summary:			
Manufacturers information indicates that the product is minimally irritating to skin	or eyes, not a skin sensitiser, ne	gative the the Ames test. Use in	a cosmetic product should not present any problems.
Chemical Substance: PALMITOYL TRIPEPTIDE-1			
EU DSD/DPD Classification>			
EU CLP Harmonised Classification> Systemic Exposure Dosage / Margin of Safety:			
SED Adult mg/kg bw/day: 0.01283 No NOAEL Available			
SED Child mg/kg bw/day: 0.04610         No NOAEL Available           SED Baby mg/kg bw/day: 0.13050         No NOAEL Available			
Toxicological Summary:			
Palmitoyl Tripeptide-1 is the reaction product of palmitic acid and Tripeptide-1 (c	ı.v.).		
Chemical Substance: PHENYL METHICONE			
EU INCI NAME:PHENYL METHICONE			
CAS: 55066-49-4 EINECS -			
Regulatory Summary: EU DSD/DPD Classification> Unclassified			

EU CLP Harmonised Classification> Systemic Exposure Dosage / Margin of Safety:

SED Adult mg/kg bw/day: 0.01283 No NOAEL Available SED Child mg/kg bw/day: 0.04610 No NOAEL Available SED Baby mg/kg bw/day: 0.13050 No NOAEL Available **Toxicological Summary:** 

Only slightly irritating to the skin and eyes, unlikely to give rise to skin sensitisation. Use of this raw material is unlikely to cause adverse effects on health when included in a cosmetic product.

				0711110047405404
Chemical Substance: POLYSOR	BATE 20	Issued: 22 Nov 202	22	GZHH0047425404
EU INCI NAME:POLYSORBATE 20 CAS: 9005-64-5 EINECS 500-018-3		Function: Emulsifier/S	Surfactant	
Log Kow: 4.23 Cosmetic Regulatory Sumn	narv:			
	Status: Not controlled			
EU CLP Harmonised Classification> Systemic Exposure Dosage	Unclassified / Margin of Safety:			
SED Adult mg/kg bw/day: 0.01283 SED Child mg/kg bw/day: 0.04610 SED Baby mg/kg bw/day: 0.13050 Toxicological Summary:	MoS - Adult 60kg: 38961.0 MoS - Child 16.7kg: 10844.1 MoS - Baby 5.9kg: 3831.1	NOAEL mg/kg bw day: 500 NOAEL test method:	developmental toxicology test to SD rats	
The ingredient is not acutely toxic on available studies via weight of e this ingredient, safety concerns are	via oral and dermal route, mutagenic, carcin vidence according to CLP criteria. The cur a not expected with this ingredient for use in	nogenic, a reproductive toxicant, bioa rent data are insufficient to make a co n cosmetics when formulated to be no	accumulative. The substances may not be classi onclusion for skin sensitization. Based on this in on-irritating and non-sensitizing.	fied as skin irritating and eye irritating based formation and other scientific literature on
Chemical Substance: DISODIUM	PHOSPHATE			
EU INCI NAME:DISODIUM PHOSPH CAS: 7558-79-4/ EINECS 231-448-7 Appearance: Solid	ATE 7782-85-6/10028-24-7	Function: Buffering/M Melting Point: > 723 K	lasking/Anticorrosive	
Water Solubility: > 10000 mg/L Cosmetic Regulatory Summ EU Cosmetics	nary: s Status: Not controlled			
Regulatory Summary: EU DSD/DPD Classifica EU CLP Harmonised Classification>	unclassified			
Systemic Exposure Dosage SED Adult mg/kg bw/day: 0.00128 SED Child mg/kg bw/day: 0.00461 SED Baby mg/kg bw/day: 0.01305	/ Margin of Safety: MoS - Adult 60kg: 251532.4 MoS - Child 16.7kg: 70009.8 MoS - Baby 5.9kg: 24734.0	NOAEL mg/kg bw day: 322.8 NOAEL test method:	90-day oral in rats	
Toxicological Summary: The ingredient is not acutely toxic, and other scientific literature on thi non-sensitizing.	a skin irritant, an eye irritant, a skin sensiti: s ingredient, safety concerns are not expec	zer, mutagenic, a reproductive toxica sted with this ingredient for use in cos	nt and bioaccumulative. No information available metics when formulated to be non-irritating and	e for phototoxic. Based on this information
Chemical Substance: FIBRONE	CTIN			
EU INCI NAME:FIBRONECTIN CAS: 86088-83-7 EINECS 289-149-2	,			
Cosmetic Regulatory Sumn	nary: s Status: Not controlled			
EU DSD/DPD Classifica	tion>			
EU CLP Harmonised Classification> Systemic Exposure Dosage	/ Margin of Safety:			
SED Adult mg/kg bw/day: 0.00128 SED Child mg/kg bw/day: 0.00461 SED Baby mg/kg bw/day: 0.01305 Toxicological Summary:	No NOAEL Available No NOAEL Available No NOAEL Available			
Fibronectin is a glycoprotein found	l in connective tissues, basement membrar	nes, in plasma and other body fluids.		
Chemical Substance: SODIUM P	HOSPHATE			
EU INCI NAME:SODIUM PHOSPHAT CAS: 7558-80-7/	E 7632-05-5/10049-21-5	Function: Buffering/M	asking/Anticorrosive	
EINECS 231-449-2/ Appearance: Solid Water Solubility: > 10000 mg/L Cosmetic Regulatory Summ EU Cosmetics		Melting Point: > 723 K		
Regulatory Summary: EU DSD/DPD Classificat				
EU CLP Harmonised Classification> Systemic Exposure Dosage	unclassified / Margin of Safety:			
SED Adult mg/kg bw/day: 0.00128 SED Child mg/kg bw/day: 0.00461 SED Baby mg/kg bw/day: 0.01305 Toxicological Summary:	MoS - Adult 60kg: 292207.7 MoS - Child 16.7kg: 81331.1 MoS - Baby 5.9kg: 28733.7	NOAEL mg/kg bw day: 375 NOAEL test method:	90- day oral in rats	
The ingredient is not acutely toxic, its carcinogenic and phototoxic pot ingredient, safety concerns are not	a skin irritant, an eye irritant, a skin sensitiz ential. But it is a permitted food additive by expected with this ingredient for use in cos	zer. It is not mutagenic toxic, not a rep WHO with MTDI of 70 mg/kg bw (as smetics.	productive toxicant. The bioaccumulative potent P) (JECFA, 2015). Based on this information an	ial could not be judged. No information on d other scientific literature on this



Note: In the absence of NOAEL data, the Margin of Safety (MoS) has not been calculated. Unless otherwise determined and in the absence of literature or other experimental data, a Dermal Absorption (DAp) of 100% is taken as the worst case scenario. NOAEL: No Observed Adverse Effect Level; MoS: Margin of Safety; SED Systemic Exposure Dosage Calculation of Margin of Safety: MoS = NOAEL / SED

- Reference for skin surface area, exposures and application quantities are derived from:

   1. RIVM Report 320104001/2006

   2. References sited in Dermal Sensitization Quantitative Risk Assessment (QRA) For Fragrance Ingredients, 2006 revision

   3. Exposure factors handbook 2009 Update

   4. The SCCS's Notes of Guidance for the Testing of Cosmetic Ingredients and their Safety Evaluation 10th Revision SCCS/1501/12

   5. Colipa Data SCCNFP/0321/02

   6. McNamara et al, Food Chem. Tox; 2007, 45, 2086

   7. Loretz et al, Food Chem. Tox; 2008, 46, 1516

   N.B. Exposure times have been taken from RIVM Report 320104001/2006

   8. Body weights taken from Exposure factors handbook 2009 Update and mean values have been used unless specified otherwise

   9. ConsExpo database

   10. New default values for the spray model, RIVM, March 2010

This formulation has been safety assessed by Intertek with reference to Articles 3 and 10 of Cosmetic Regulation (EC) No. 1223/2009. The safety assessment is based on the chemical specification and toxicological profile of the ingredients as supplied at the time of assessment. The supplier to this safety assessment is advised to ask for a new safety evaluation if any change in formulation occurs, change in raw materials used, abnormally high number of adverse events are recorded, changes in recommended uses or other circumstances that may affect the safety of this product.

The REACH dossier, IUCLID Datasheet, OECD SIDS and EU RAR often include unpublished data, not otherwise available; however, it must be noted that the authorities have issued legal disclaimers for the databases. The declaimer, among other cautions, stressed that the data in the dossier, datasheet, data set or report are not necessarily comprehensive, complete, accurate or up-to-date. Use of the data may also be subject to copyright laws. Therefore, data from the such resource are used as supporting information.

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## **Appendixes of Cosmetic Product Safety Report**

For

# SQT Anti-Aging Rejuvenation Set\_SQT Firming Rejuvenation Cream

The testing report, declaration letter, SDS/MSDS, TDS, CoA, IFRA Certificate and other supportive document listed in this appendix were provided from client and delivered to risk assessor to conduct the CPSR, it is supplier's responsibility to make sure the accuracy of the documents.

### **Appendix 1- Toxicological Profiles of Substances**

- 1. Toxicity summary
- 2. MSDS/SDS
- 3. TDS/CoA

### Appendix 2- Microbiological Quality Test Report of Cosmetic Product

- 1. Microbiological specification test report or data
- 2. Preservative challenge test report or data

### Appendix 3- Stability Test Report or Data of Cosmetic Product

### Appendix 4- Packaging Compatibility Test Report and/or data

- 1. Container data
- 2. Outer Packaging material

### Appendix 5- Serious/ Undesirable Effects of Cosmetic Product Declaration or Report

### Appendix 6- Fragrance

- 1. IFRA Certificate
- 2. MSDS/SDS
- 3. Allergen declaration

### Appendix 7- Heavy Metal Test Report of Cosmetic Product

### **Appendix 8- Human Volunteers Studies**

- 1. Human volunteers study for the cosmetic product
- 2. Human volunteers study for raw material

### **Appendix 9- Assessor's credentials**

### **Appendix 1- Toxicological Profiles of Substances**

### 1. Toxicity summary

Substance toxicological summary was listed in this report and detailed data are stored in Intertek owned in house database, could provide on specific request.

### 2. MSDS/SDS

See below report(s) if available

### 3. TDS/CoA

See below report(s) if available

### MATERIAL SAFETY DATA SHEET

### (SQT Anti-Aging Rejuvenation Set)

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Identification of the substance or preparation:

Product Name: SQT Anti-Aging Rejuvenation Set Use of the substance/preparation: Cosmetic additives

Company identification:

Manufactured By:

Hunan Sunshine Bio-Tech Co., Ltd Unit 1, E7 building, No. 27 Wenxuan Road, High-Tech Development Zone Changsha 410000, P.R.of China 86-731-83991999 info@sunshineextract.com

Phone Number: Email:

### 2. HARZARDOUS IDENTIFICATION

Potential Acute Health Effects:

Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

3. COMPOSITION/INFORMATION ON INGREDIENT

Chemical Identity: karnosin Purity: 99% ELINCS #: N/A CAS#: 14808-60-7 4. FIRST AID MEASURES

Inhalation: Move person to fresh air immediately.

Eye Contact: Irrigate surfaces thoroughly with water

Skin Contact: Rinse areas thoroughly with water

Ingestion: Rinse mouth thoroughly with water

### 5. FIRE FIGHTING MEASURES

Special Fire Fighting Procedures: Ordinary extinguishing process can be taken in case of fire.

Extinguishing Media: No prohibited media.

Protection for the person-related fire fighting: Wear or use normal protective equipment. No special clothing or equipment is required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid dust formation.

Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling: Once the container is opened it should be used promptly, as coloration and decomposition may occur by moisture absorption.

Storage: Storage below room temperature preferred. Store tightly closed in cool, dry, dark and ventilated conditions to maintain the quality for long period.

8. EXPOSURE CONTROL PERSONAL PROTECTION

Desirable Concentration: Not established

Acceptable Concentration: Not established

Facility Care: No special care required

Protective Care: Not necessary during usual handling 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white powder Odor: Characteristic Taste: Characteristic Color: white powder Critical Temperature: Not available.

Specific Gravity: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Very slightly soluble in cold water.

10. STABILITY AND REACTIVITY
Stability: The product is stable.
Instability Temperature: Not available.
Conditions of Instability: Excess heat, incompatible materials
Incompatibility with various substances: Reactive with oxidizing agents.
Corrosivity: Non-corrosive in presence of glass.
Special Remarks on Reactivity: Not available.
Special Remarks on Corrosivity: Not available.
Polymerization: Will not occur.
11. TOXICOLOGICAL INFORMATION

Routes of Entry: Eye contact. Inhalation. Ingestion.
Toxicity to Animals:
LD50: Not available. LC50: Not available.
Chronic Effects on Humans: The substance is toxic to lungs, mucous membranes.
Other Toxic Effects on Humans:
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).
Special Remarks on Toxicity to Animals: Not available.
Special Remarks on other Toxic Effects on Humans: Not available.
Special Remarks on other Toxic Effects on Humans: Not available. *ECOLOGICAL INFORMATION*

Ecotoxicity: Not available.

BOD5 and COD: Not available.

**Products of Biodegradation:** 

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

13. DISPOSAL CONSIDERATION

**Disposal Method:** 

Disposal should be made in accordance with federal, state and local regulation. **Contaminated packaging** Dispose of as unused product. *14. TRANSPROT INFORMATION*  **DOT (US)** Not dangerous goods **IMDG** 

Not dangerous goods

Not dangerous goods
15. REGULATORY INFORMATION

The Law Concerning the Examination and Regulation of Manufacture etc. of Chemical Substances

- The Pharmaceutical Affairs Law *16. OTHER INFORMATION* 

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. HUNAN SUNSHINE BIO-TECH CO., LTD shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Updated Jan.1, 2022

End of MSDS



### Appendix 2- Microbiological Quality Test Report of Cosmetic Product

1. Microbiological specification test report or data

See below report(s) if available

2. Preservative challenge test report or data

See below report(s) if available



#### **Test Report** Number: GZHH00472057 Hunan Sunshine Bio-Tech Co., Ltd Applicant: Date: Nov 01, 2022 Building E7, Lugu Yuyuan, No.27, Wenxuan Road, High-Tech Development Zone, Changsha, Hunan, China, 410000 Sample Description: One (1) style of submitted sample said to be : Item Name SQT Anti-Aging Rejuvenation Set. Country of Origin China. Date Sample Received Oct 20, 2022 Testing Period Oct 20, 2022 to Nov 01, 2022 Tests conducted: As requested by the applicant, refer to attached page(s) for details. Conclusion: Tested Sample Standard Result The European Cosmetic Regulation (EC) No.1223/2009 Annex I Tested component(s) of Pass submitted sample(s) Part A 3, Microbiological control criteria of the cosmetic products. With reference to the Notification of the German Federal Health Meet Office Centre (BGA) up to 1996 on toxic elements analysis for cosmetics

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### Test Report

Number: GZHH00472057

### **Tests Conducted**

Microbiological examination of non-sterile products : Microbial Enumeration Tests and tests for specified 1 microorganisms of submitted sample

With reference to British Pharmacopoeia (2020), Appendix XVI B2 & B1 and European Pharmacopoeia 10.0 Edition, Chapter 2.6.12 & 2.6.13.

Test It	om	Re	Limit		
165110		<u>(1)</u> <u>(2)</u>			
(I)	Total Aerobic Microbial Count (per g)	<10 CFU#	<10 CFU#	Category (B): (I) + (II)	
(II)	Moulds and Yeasts Count (per g)	<10 CFU#	<10 CFU#	should be ≤1,000 CFU	
(111)	Escherichia coli (per g)	Absence	Absence	Absence	
(IV)	Pseudomonas aeruginosa (per g)	Absence	Absence	Absence	
(V)	Staphylococcus aureus (per g)	Absence	Absence	Absence	
(VI)	Candida albicans (per g)	Absence	Absence	Absence	
(VII)	Bile-Tolerant Gram-Negative Bacteria (per g)	Absence	Absence	-	
(VIII)	Salmonella sp. (per 10g)	Absence	Absence	-	
(IX)	Clostridia sp. (per g)	Absence	Absence	-	

Test It	tom	Re	Limit		
Test II		<u>(3)</u>	<u>(4)</u>		
(I)	Total Aerobic Microbial Count (per g)	<10 CFU#	<10 CFU#	Category (B): (I) + (II)	
(II)	Moulds and Yeasts Count (per g)	<10 CFU#	<10 CFU#	should be ≤1,000 CFU	
(111)	Escherichia coli (per g)	Absence	Absence	Absence	
(IV)	Pseudomonas aeruginosa (per g)	Absence	Absence	Absence	
(V)	Staphylococcus aureus (per g)	Absence	Absence	Absence	
(VI)	Candida albicans (per g)	Absence	Absence	Absence	
(VII)	Bile-Tolerant Gram-Negative Bacteria (per g)	Absence	Absence	-	
(VIII)	Salmonella sp. (per 10g)	Absence	Absence	-	
(IX)	Clostridia sp. (per g)	Absence	Absence	-	

### Page 2 of 4

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### Test Report

Tests Conducted

Number: GZHH00472057

Test component(s): (1) White cream (4-1) (2) Yellow liquid (4-2) (3) Transparent liquid attached to white non-woven cloth (4-3) (4) White cream (4-4)

Remark :

- # = No colony was detected at the one-tenth dilution of the sample
- CFU = Colony Forming Unit
- < = Less than
- $\leq$  = Less than or equal to

The limit for test item (I) and (II) is with reference to the notes of guidelines on microbiological quality of the finished cosmetic products adopted by Scientific Committee on Consumer Safety (SCCS, 11<sup>th</sup> Rev., 2021) of the European Commission, Microbiological Quantitative Limits for Category B Cosmetic Products.

Category A: Cosmetic products specifically intended for children under 3 years, eye area and mucous membranes.

Category B: Other cosmetic products.

Sample received condition: sample (1), (2), (4) in closed bottle, sample (3) in unopened container.



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### Test Report

**Tests Conducted** 

Number: GZHH00472057

### 2 Toxic Element Analysis (Cosmetics)

Acid digestion for Antimony (Sb), Arsenic (As), Cadmium (Cd), Lead (Pb) and Mercury (Hg) and perspiration simulant extraction for Soluble Nickel (Ni), follow by Inductively Coupled Plasma Mass Spectrometry analysis.

		Result	<u>(ppm)</u>	Reporting Limit	Limit#	
Element		Test com	ponent(s)	(ppm)	<u>(ppm)</u>	
	<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(ppin)</u>	<u>(ppm)</u>
Total Antimony (Sb)	ND	ND	ND	ND	0.1	10
Total Arsenic (As)	ND	ND	ND	ND	0.1	5
Total Cadmium (Cd)	ND	ND	ND	ND	0.1	5
Total Lead (Pb)	ND	ND	ND	ND	0.1	20
Total Mercury (Hg)	ND	ND	ND	ND	0.1	1
Soluble Nickel (Ni)	ND	ND	ND	ND	0.1	10

Test component(s):

(1) White cream (4-1)

(2) Yellow liquid (4-2)

(3) Transparent liquid attached to white non-woven cloth (4-3)

(4) White cream (4-4)

### Remark :

	I CHIC	ur.	
	ppm	=	parts per million = mg/kg
	#	=	The limit is with reference to the Notification of the German Federal Health Office (BGA), Pg 28,
			No. 7, July 1985 and No. 7/1992 and No. 4/1996 for cosmetics
	ND	=	Not detected (less than reporting limit)
*****	******	*******	***************************************

End of report

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### Appendix 3- Stability Test Report or Data of Cosmetic Product

See below report(s) if available

## SQT Anti-Aging Rejuvenation Set Stability Test Report

Product	t Name SQT B	Biomicroneedling Firming Cream		Bat	Batch Number		2526C16161		
Specifi	ication	5g/vial			Source		Production Department		
Representat	ive Amount	10419 vials		San	npling Date		July 03, 2022		022
Sampling	Amount	10 vials		Re	eport Date		October 25, 2022		2022
Inspection	n Purpose F	inished product inspe	ection	Tes	sting Basis			QB/T 18	57
Test items Standard Regulation		0 week	2 week	4 weeks	6 weeks	6 weeks 8 weeks		12 weeks	16 weeks
Appearance	Cream	Comply	Comply	Comply	Comply	Con	nply	Comply	Comply
Odor	Odorless	Comply	Comply	Comply	Comply	Con	nply	Comply	Comply
Colour	White	Comply	Comply	Comply	Comply	Con	nply	Comply	Comply
Packaging materials	brown glass bottle	Comply	Comply	Comply	Comply	Con	nply	Comply	Comply
Heat resistance	At (40+1)°C ,no oil-water separation after return to room temperature.	Comply	Comply	Comply	Comply	Corr	nply	Comply	Comply
Cold resistance	At (5+1)°C, no significant differences in traits after return to room temperature.	Comply	Comply	Comply	Comply	Corr	nply	Comply	Comply
РН	4.0-8.5	6.7	6.5	6.6	6.8	6.	7	6.8	6.7
Net content	Should comply with the regulations	Comply	Comply	Comply	Comply	Com	nply	Comply	Comply

Total number of colonies	≤ 1000CFU/g	<10CFU/g							
Total Mold and Yeast	≤100CFU/g	<10CFU/g							
Conclusion	This product was tested according to QB/T 1857 and the results were in accordance with the regulations.								

Head of Quality : Phil

Reviewer: Peter

Inspector: Adam

Product Name SQT I		Firming Rejuvenation Essence		Bate	Batch Number			2526B16151		
Specification		5ml/vial		Source			Production Department			
Representative Amount		10367 vials		Sampling Date			July 03, 2022			
Sampling Amount		4 vials		Report Date			October 25, 2022			
Inspection Purpose		Finished product inspection		Testing Basis			QB/T 2660			
Test items	Standard I	Regulation	0 week	2 week	4 weeks	6 weeks	8 wee	eks	12 weeks	16 weeks
Appearance	Liquid		Comply	Comply	Comply	Comply	Comp	ply	Comply	Comply
Odor	Odorless		Comply	Comply	Comply	Comply	Comp	ply	Comply	Comply
Colour	Pale yellow		Comply	Comply	Comply	Comply	Comp	ply	Comply	Comply
Packaging materials	Brown glass via	Brown glass vial		Comply	Comply	Comply	Com	ply	Comply	Comply

Heat resistance	At (40+1)°C, no significant differences in traits after return to room temperature.	Comply	Comply	Comply	Comply	Comply	Comply	Comply
Cold resistance	At (5+1)°C, no significant differences in traits after return to room temperature.	Comply	Comply	Comply	Comply	Comply	Comply	Comply
РН	4.0-8.5	6.7	6.8	6.9	6.7	6.9	6.6	6.7
Net content	Should comply with the regulations	Comply	Comply	Comply	Comply	Comply	Comply	Comply
Total number of colonies	$\leq$ 1000CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g
Total Mold and Yeast	≤ 100CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g
Conclusion	This product was tested accordin	g to QB/T 2660 and	the results were in a	ccordance with	the regulation	ons.		

Head of Quality : Phil

Reviewer: Peter

Inspector: Adam

Product Name	SQT Firming Repairing Mask	Batch Number	2527A15301
Specification	28ml/Piece	Source	Production Department
Representative Amount	10568 pieces	Sampling Date	July 03, 2022
Sampling Amount	4 pieces	Report Date	October 25, 2022
Inspection Purpose	Finished product inspection	Testing Basis	QB/T 2872

Test items	Standard Regulation	0 week	2 week	4 weeks	6 weeks	8 weeks	12 weeks	16 weeks
Appearance	Moist fiber film, free from impurities	Comply	Comply	Comply	Comply	Comply	Comply	Comply
Odor	Odorless	Comply	Comply	Comply	Comply	Comply	Comply	Comply
Colour	Colorless	Comply	Comply	Comply	Comply	Comply	Comply	Comply
Packaging materials	Clear facial mask bag	Comply	Comply	Comply	Comply	Comply	Comply	Comply
Heat resistance	At (40+1)°C, no significant differences in traits after return to room temperature.	Comply	Comply	Comply	Comply	Comply	Comply	Comply
Cold resistance	At (5+1)°C, no significant differences in traits after return to room temperature.	Comply	Comply	Comply	Comply	Comply	Comply	Comply
PH	4.0-8.5	5.9	6.1	6.0	6.0	5.9	6.1	5.9
Net content	Should comply with the regulations	Comply	Comply	Comply	Comply	Comply	Comply	Comply
Total number of colonies	≤ 1000CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g
Total Mold and Yeast	≤ 100CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g
Conclusion	This product was tested according	g to QB/T 2872 and	the results were in a	accordance with	h the regulation	ons.		

Head of Quality : Phil

Reviewer: Peter

Inspector: Adam

Product Name SQ		SQT	QT Firming Rejuvenation Cream		Bat	Batch Number			2526B26151		
Specification		5g/vial		Source			Production Department				
Representative Amount		10435 vials		Sampling Date			July 03, 2022				
Sampling AmountInspection PurposeF			10 vials Finished product inspection		Report Date			October 25, 2022 QB/T 1857			
		F			Tes	Testing Basis					
Test items Standard Regulation		0 week	2 week	4 weeks	6 weeks	8 weeks	12 weeks	16 weeks			
Appearance	Cream		Comply	Comply	Comply	Comply	Comply	Comply	Comply		
Odor	Odorless		Comply	Comply	Comply	Comply	Comply	Comply	Comply		
Colour	White		Comply	Comply	Comply	Comply	Comply	Comply	Comply		
Packaging materials	Brown glass vial		Comply	Comply	Comply	Comply	Comply	Comply	Comply		
Heat resistance	At (40+1)°C, no oil-water separation after return to room temperature.		Comply	Comply	Comply	Comply	Comply	Comply	Comply		
Cold resistance	At (5+1)°C, no significant differences in traits after return to room temperature.		Comply	Comply	Comply	Comply	Comply	Comply	Comply		
РН	4.0-8.5		6.9	7.0	6.8	6.7	6.9	6.9	6.9		
Net content	Should comply with the regulations		Comply	Comply	Comply	Comply	Comply	Comply	Comply		
Total number of colonies	≤ 1000	CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g	<10CFU/g		

Total Mold and Yeast	$\leq$ 100CFU/g	<10CFU/g						
Conclusion	This product was tested according to QB/T1857 and the results were in accordance with the regulations.							

Head of Quality : Phil

Reviewer: Peter

Inspector: Adam

#### Appendix 4- Packaging Compatibility Test Report and/or data

#### 1. Container data

1.1 Basic information

See below report(s) if available

#### 2. Outer Packaging material

See below report(s) if available



#### **Test Report** Number: GZHH00472085 Hunan Sunshine Bio-Tech Co., Ltd Applicant: Date: Oct 28, 2022 Building E7, Lugu Yuyuan, No.27, Wenxuan Road, High-Tech Development Zone, Changsha, Hunan, China, 410000 Sample Description: One (1) style of submitted sample said to be : (1) 5g brown soda lime glass bottle(2) PP clear inner plug. Item Name China. Country of Origin Date Sample Received Oct 20, 2022 Testing Period Oct 20, 2022 to Oct 28, 2022 Tests conducted: As requested by the applicant, refer to attached page(s) for details. \*\*\*\*\* Conclusion: Tested Sample Standard <u>Result</u> Tested component(s) of Heavy Metals Content Requirement in Directive 94/62/EC and Pass submitted sample(s) amendments on packaging and packaging waste

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Number: GZHH00472085

#### Tests Conducted

#### 1 <u>Toxic Elements Analysis</u>

Alkaline digestion method was used and Hexavalent Chromium was determined by UV-Visible Spectrophotometry; Acid digestion method was used and Lead, Cadmium and Mercury were determined by Inductively Coupled Plasma Mass Spectrometry.

	Result	(ppm)	Detection	Limit
<u>Element</u>	Tested Co	omponent	<u>Limit</u>	<u>(ppm)</u>
	<u>(1)</u>	(2)	<u>(ppm)</u>	<u>(ppin)</u>
Lead (Pb)	ND	ND	5	
Cadmium (Cd)	ND	ND	5	
Mercury (Hg)	ND	ND	5	
Chromium VI (Cr (VI))	ND	ND	1	
Sum of Pb, Cd, Hg and Cr (VI)	ND	ND		100

Tested Component(s):

(1) Brown glass bottle

(2) Translucent plastic inner plug

ppm = part per million = mg/kg

ND = Not detected (less than detection limit)

Remark: Only detected element(s) is / are included in calculation of the sum.

End of report

\*\*\*\*\*\*

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#### **Test Report** Number: GZHH00472087 Hunan Sunshine Bio-Tech Co., Ltd Applicant: Date: Oct 28, 2022 Building E7, Lugu Yuyuan, No.27, Wenxuan Road, High-Tech Development Zone, Changsha, Hunan, China, 410000 Sample Description: One (1) style of submitted sample said to be : (1) 5ml brown soda lime glass vial Item Name (2) Butyl plug. China. Country of Origin Date Sample Received Oct 20, 2022 Testing Period Oct 20, 2022 to Oct 28, 2022 Tests conducted: As requested by the applicant, refer to attached page(s) for details. Conclusion: Tested Sample Standard <u>Result</u> Tested component(s) of Heavy Metals Content Requirement in Directive 94/62/EC and Pass submitted sample(s) amendments on packaging and packaging waste

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Number: GZHH00472087

#### Tests Conducted

#### 1 <u>Toxic Elements Analysis</u>

Alkaline digestion method was used and Hexavalent Chromium was determined by UV-Visible Spectrophotometry; Acid digestion method was used and Lead, Cadmium and Mercury were determined by Inductively Coupled Plasma Mass Spectrometry.

	Result		Detection	<u>Limit</u>
<u>Element</u>	Tested Co	omponent	Limit	<u>(ppm)</u>
	(1)	(2)	<u>(ppm)</u>	<u>(ppin)</u>
Lead (Pb)	ND	11.0	5	
Cadmium (Cd)	ND	ND	5	
Mercury (Hg)	ND	ND	5	
Chromium VI (Cr (VI))	ND	ND	1	
Sum of Pb, Cd, Hg and Cr (VI)	ND	11.0		100

Tested Component(s):

(1) Brown glass bottle with orange printing

(2) Black plastic inner plug

ppm = part per million = mg/kg

ND = Not detected (less than detection limit)

Remark: Only detected element(s) is / are included in calculation of the sum.

End of report

\*\*\*\*\*

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中国珠海市横琴新区环岛北路 2682 号粤澳合作中



## Appendix 5- Serious/ Undesirable Effects of Cosmetic Product Declaration or Report

See below report(s) if available

#### LETTER OF DECLARATION

#### To Whom It May Concern:

Product Name: SQT Anti-Aging Rejuvenation Set

roduct: SQT Bid	microneedling F	-irming Cream
Chemical Name	Trade Name	Concentration (%)
AQUA	AQUA	53.66-58.74
GLYCERIN	GLYCERIN	6-6.6
PROPANEDIOL	PROPANEDIOL	5-5.5
HYDROLYZED SPONGE	HYDROLYZED SPONGE	
CALCIUM SILICATE	CALCIUM SILICATE	5
SODIUM SILICATE	SODIUM SILICATE	
C13-15 ALKANE	C13-15 ALKANE	4.5-5.0
ISONONYL	ISONONYL	4 4 5
ISONONANOATE	ISONONANOATE	4-4.5
AQUA	AQUA	
GLYCERIN	GLYCERIN	
	SODIUM ACRYLIC	
	ACID/MA	2.2.2
ACID/MA COPOLYMER	COPOLYMER	3-3.3
BUTYLENE GLYCOL	BUTYLENE GLYCOL	
CAPRYLYL GLYCOL	CAPRYLYL GLYCOL	
HEXANEDIOL	HEXANEDIOL	
CETEARYL ALCOHOL	CETEARYL ALCOHOL	2-2.2
DIMETHICONE	DIMETHICONE	1.5-1.65
GLYCERYL STEARATE	GLYCERYL STEARATE	4 25 4 5
PEG-100 STEARATE	PEG-100 STEARATE	1.35-1.5
RICE FERMENT	RICE FERMENT	
FILTRATE (SAKE)	FILTRATE (SAKE)	
HYDROXYACETOPHEN	HYDROXYACETOPHEN	
ONE	ONE	1.4-1.54
1,2-HEXANEDIOL	1,2-HEXANEDIOL	
BUTYLENE GLYCOL	BUTYLENE GLYCOL	
THEOBROMA	THEOBROMA	
GRANDIFLORUM SEED	GRANDIFLORUM	1.2-1.32
BUTTER	SEED BUTTER	
SILICA	SILICA	1-1.1
INOSITOL	INOSITOL	1-1.1
JOJOBA ESTERS	JOJOBA ESTERS	0.8-0.88

<b>Product: SQT</b>	Biomicroneedling	Firming Cream	
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HELIANTHUS ANNUUS	HELIANTHUS ANNUUS	
(SUNFLOWER) SEED	(SUNFLOWER) SEED	
WAX	WAX	
ACACIA DECURRENS	ACACIA DECURRENS	
FLOWER WAX	FLOWER WAX	
POLYGLYCERIN-3	POLYGLYCERIN-3	
GLYCERYL CAPRYLATE	GLYCERYL CAPRYLATE	
	CAPRYLHYDROXAMIC	
	ACID	0 0 0 00
HYDROXYACETOPHEN	HYDROXYACETOPHEN	0.8-0.88
BUTYLENE GLYCOL	BUTYLENE GLYCOL	
AQUA	AQUA	
DIMETHICONE	DIMETHICONE	0.5-0.55
GLYCERYL STEARATE SE	GLYCERYL STEARATE SE	0.5-0.55
AQUA	AQUA	
GLYCERIN	GLYCERIN	
	DENDROBIUM	
DENDROBIUM NOBILE	NOBILE STEM	
STEIVIEATRACT	EXTRACT	
ALOE BARBADENSIS	ALOE BARBADENSIS	
LEAF EXTRACT	LEAF EXTRACT	
SOPHORA FLAVESCENS	SOPHORA	0.5-1
ROOT EXTRACT	FLAVESCENS ROOT	0.5-1
ROUTEATRACT	EXTRACT	
LYCIUM BARBARUM	LYCIUM BARBARUM	
FRUIT EXTRACT	FRUIT EXTRACT	
ECHINACEA PURPUREA	ECHINACEA	
EXTRACT	PURPUREA EXTRACT	
PHENOXYETHANOL	PHENOXYETHANOL	
ETHYLHEXYLGLYCERIN	ETHYLHEXYLGLYCERIN	
GLYCERIN	GLYCERIN	
AQUA	AQUA	
BUTYLENE GLYCOL	BUTYLENE GLYCOL	
CARBOMER	CARBOMER	
POLYSORBATE 20	POLYSORBATE 20	0.5-1
PALMITOYL	PALMITOYL	
TRIPEPTIDE-1	TRIPEPTIDE-1	
PALMITOYL	PALMITOYL	
TETRAPEPTIDE-7	TETRAPEPTIDE-7	
AMMONIUM	AMMONIUM	
ACRYLOYLDIMETHYLTA	ACRYLOYLDIMETHYLT	
URATE/VP	AURATE/VP	0.26-0.36
COPOLYMER	COPOLYMER	
BUTYROSPERMUM	BUTYROSPERMUM	
PARKII (SHEA) BUTTER	PARKII (SHEA) BUTTER	0.2-0.3

		0.15.0.165
STEARETH-21	STEARETH-21	0.15-0.165
ACRYLATES/C10-30	ACRYLATES/C10-30	
ALKYL ACRYLATE	ALKYL ACRYLATE	0.12-0.15
CROSSPOLYMER	CROSSPOLYMER	
TOCOPHERYL ACETATE	TOCOPHERYL	0.1-0.2
TUCUPHERILACETATE	ACETATE	0.1-0.2
DISODIUM EDTA	DISODIUM EDTA	0.1-0.2
BISABOLOL	BISABOLOL	
ZINGIBER OFFICINALE	ZINGIBER OFFICINALE	0.1-0.2
(GINGER) ROOT OIL	(GINGER) ROOT OIL	
ARGININE	ARGININE	0.08-0.088
XANTHAN GUM	XANTHAN GUM	0.05-0.055
SODIUM	SODIUM	0 02 0 022
HYALURONATE	HYALURONATE	0.03-0.033
BISABOLOL ZINGIBER OFFICINALE (GINGER) ROOT OIL ARGININE XANTHAN GUM SODIUM	BISABOLOL ZINGIBER OFFICINALE (GINGER) ROOT OIL ARGININE XANTHAN GUM SODIUM	0.1-0.2

Product: SQT Firming Rejuvenation Essence

Chemical Name	Trade Name	Concentration (%)
AQUA	AQUA	45.8-62.78
GLYCERIN	GLYCERIN	8-11
AQUA	AQUA	
GLYCERIN	GLYCERIN	
GLYCERYL	GLYCERYL	
POLYMETHACRYLATE	POLYMETHACRYLATE	
PROPYLENE GLYCOL	PROPYLENE GLYCOL	8-11
PVM/MA COPOLYMER	PVM/MA	
F VIM/IMA COPOLITIMEIX	COPOLYMER	
METHYLPARABEN	METHYLPARABEN	
PROPYLPARABEN	PROPYLPARABEN	
BUTYLENE GLYCOL	BUTYLENE GLYCOL	5-6
PROPANEDIOL	PROPANEDIOL	4-5
DIPEPTIDE	DIPEPTIDE	
DIAMINOBUTYROYL	DIAMINOBUTYROYL	
BENZYLAMIDE	BENZYLAMIDE	
DIACETATE	DIACETATE	3-5
BUTYLENE GLYCOL	BUTYLENE GLYCOL	
PENTYLENE GLYCOL	PENTYLENE GLYCOL	
AQUA	AQUA	
AQUA	AQUA	
PROPANEDIOL	PROPANEDIOL	
FIBRONECTIN	FIBRONECTIN	
GLYCERIN	GLYCERIN	2.5-4
	DISODIUM	
DISODIUM PHOSPHATE	DUOCDUATE	
	PHOSPHATE	

PEG/PPG/POLYBUTYLE	PEG/PPG/POLYBUTYL	
NE GLYCOL-8/5/3	ENE GLYCOL-8/5/3	2-4
GLYCERIN	GLYCERIN	
GLYCERIN	GLYCERIN	
AQUA	AQUA	
BUTYLENE GLYCOL	BUTYLENE GLYCOL	
CARBOMER	CARBOMER	
POLYSORBATE 20	POLYSORBATE 20	2-3
PALMITOYL	PALMITOYL	
TRIPEPTIDE-1	TRIPEPTIDE-1	
PALMITOYL	PALMITOYL	
TETRAPEPTIDE-7	TETRAPEPTIDE-7	
CAPRYLHYDROXAMIC	CAPRYLHYDROXAMIC	
ACID	ACID	
ETHYLHEXYLGLYCERIN	ETHYLHEXYLGLYCERIN	
		0.8-1.0
1,2-HEXANEDIOL	1,2-HEXANEDIOL	
PROPYLENE GLYCOL	PROPYLENE GLYCOL	
AQUA	AQUA	
BACILLUS/SOYBEAN	BACILLUS/SOYBEAN	
FERMENT EXTRACT	FERMENT EXTRACT	
AQUA	AQUA	
BUTYLENE GLYCOL	BUTYLENE GLYCOL	0.5-0.8
FOLIC ACID	FOLIC ACID	0.5 0.8
1,2-HEXANEDIOL	1,2-HEXANEDIOL	
SODIUM	SODIUM	
HYALURONATE	HYALURONATE	
LACTOBACILLUS/BEAN	LACTOBACILLUS/BEA	
SEED	N SEED	
EXTRACT/SODIUM	EXTRACT/SODIUM	0.5.0.0
GLUTAMATE FERMENT	GLUTAMATE	0.5-0.8
FILTRATE	FERMENT FILTRATE	
BUTYLENE GLYCOL	BUTYLENE GLYCOL	
AMMONIUM	AMMONIUM	
ACRYLOYLDIMETHYLTA	ACRYLOYLDIMETHYLT	0102
URATE/VP	AURATE/VP	0.1-0.3
COPOLYMER	COPOLYMER	
CARNOSINE	CARNOSINE	0.2-0.4
	HYDROLYZED	
HYDROLYZED SODIUM	SODIUM	0.15-0.3
HYALURONATE	HYALURONATE	
SODIUM	SODIUM	
HYALURONATE	HYALURONATE	0.1-0.3
CENTELLA ASIATICA	CENTELLA ASIATICA	
EXTRACT	EXTRACT	0.1-0.3
BETA-GLUCAN	BETA-GLUCAN	0.1-0.3
XANTHAN GUM	XANTHAN GUM	0.05-0.2
HYDROLYZED	HYDROLYZED	0.03-0.2
SCLEROTIUM GUM	SCLEROTIUM GUM	0.05-0.2
SCLERUTION GUIN	SCLERUTION GUIN	<u> </u>

CITRIC ACID	CITRIC ACID	0.03-0.1
SODIUM	SODIUM	0.02.0.1
POLYGLUTAMATE	POLYGLUTAMATE	0.02-0.1
SODIUM	SODIUM	0.02.0.1
HYALURONATE	HYALURONATE	0.02-0.1

#### Product: SQT Firming Repair Mask

Chemical Name	Trade Name	Concentration (%)
AQUA	AQUA	81.6-91.55
GLYCERIN	GLYCERIN	5-10
AQUA	AQUA	
PROPANEDIOL	PROPANEDIOL	
FIBRONECTIN	FIBRONECTIN	
GLYCERIN	GLYCERIN	1-2
DISODIUM PHOSPHATE	DISODIUM PHOSPHATE	
SODIUM PHOSPHATE	SODIUM PHOSPHATE	
BETA-GLUCAN	BETA-GLUCAN	
AQUA	AQUA	
1,2-HEXANEDIOL	1,2-HEXANEDIOL	1-2
HYDROXYACETOPHENO	HYDROXYACETOPHEN	
NE	ONE	
PANTHENOL	PANTHENOL	0.5-2
CAPRYLHYDROXAMIC	CAPRYLHYDROXAMIC	
ACID	ACID	
ETHYLHEXYLGLYCERIN	ETHYLHEXYLGLYCERIN	0.5-1
1,2-HEXANEDIOL	1,2-HEXANEDIOL	0.5-1
PROPYLENE GLYCOL	PROPYLENE GLYCOL	
AQUA	AQUA	
XANTHAN GUM	XANTHAN GUM	0.1-0.3
TREMELLA FUCIFORMIS SPOROCARP EXTRACT	TREMELLA FUCIFORMIS SPOROCARP EXTRACT	0.1-0.3
CARBOXYMETHYL	CARBOXYMETHYL	0.1-0.3
CHITOSAN	CHITOSAN	0.1-0.5
SODIUM	SODIUM	0.1-0.3
POLYGLUTAMATE	POLYGLUTAMATE	0.1 0.5
HYDROLYZED SODIUM HYALURONATE	HYDROLYZED SODIUM HYALURONATE	0.05-0.2

#### Product: SQT Firming Rejuvenation Cream

Chemical Name	Trade Name	Concentration (%)
AQUA	AQUA	40.72-54.15

GLYCERIN	GLYCERIN	5.0-5.5
CANDELILLA/JOJOBA/RI	CANDELILLA/JOJOBA/	
CE BRAN	RICE BRAN	
POLYGLYCERYL-3	POLYGLYCERYL-3	
ESTERS	ESTERS	2022
GLYCERYL STEARATE	GLYCERYL STEARATE	3.0-3.3
CETEARYL ALCOHOL	CETEARYL ALCOHOL	
SODIUM STEAROYL	SODIUM STEAROYL	
LACTYLATE	LACTYLATE	
PENTAERYTHRITYL	PENTAERYTHRITYL	
TETRAETHYLHEXANOAT	TETRAETHYLHEXANO	3.0-3.3
E	ATE	
PROPANEDIOL	PROPANEDIOL	3.0-3.3
AQUA	AQUA	
BUTYLENE GLYCOL	BUTYLENE GLYCOL	2.5-3.5
PALMITOYL	PALMITOYL	2.5 5.5
TRIPEPTIDE-8	TRIPEPTIDE-8	
CETEARYL ALCOHOL	CETEARYL ALCOHOL	2.0-2.2
HYDROGENATED	HYDROGENATED	2.0-2.2
POLYISOBUTENE	POLYISOBUTENE	2.0-2.2
JOJOBA ESTERS	JOJOBA ESTERS	
HELIANTHUS ANNUUS	HELIANTHUS ANNUUS	
(SUNFLOWER) SEED	(SUNFLOWER) SEED	
WAX	WAX	2.0-2.5
ACACIA DECURRENS	ACACIA DECURRENS	
FLOWER WAX	FLOWER WAX	
POLYGLYCERIN-3	POLYGLYCERIN-3	
CYCLOPENTASILOXANE	CYCLOPENTASILOXAN	
	E	2.0-2.5
CYCLOHEXASILOXANE	CYCLOHEXASILOXANE	
TREHALOSE	TREHALOSE	2.0-2.2
PENTYLENE GLYCOL	PENTYLENE GLYCOL	2.0-2.2
BIFIDA FERMENT	BIFIDA FERMENT	
LYSATE	LYSATE	2.0-3.0
BUTYLENE GLYCOL	BUTYLENE GLYCOL	
GLYCERIN	GLYCERIN	
AQUA	AQUA	
BUTYLENE GLYCOL	BUTYLENE GLYCOL	
CARBOMER	CARBOMER	
POLYSORBATE 20	POLYSORBATE 20	2.0-3.0
PALMITOYL	PALMITOYL	
TRIPEPTIDE-1	TRIPEPTIDE-1	
PALMITOYL	PALMITOYL	
TETRAPEPTIDE-7	TETRAPEPTIDE-7	
AQUA	AQUA	
BIOSACCHARIDE GUM-	BIOSACCHARIDE	1.5-2.5
1	GUM-1	

PHENOXYETHANOL	PHENOXYETHANOL	
AQUA	AQUA	
PROPANEDIOL	PROPANEDIOL	1
FIBRONECTIN	FIBRONECTIN	
GLYCERIN	GLYCERIN	2.0-3.0
	DISODIUM	
DISODIUM PHOSPHATE	PHOSPHATE	
SODIUM PHOSPHATE	SODIUM PHOSPHATE	
DIMETHICONE	DIMETHICONE	1.5-1.75
BUTYROSPERMUM	BUTYROSPERMUM	
PARKII (SHEA) BUTTER	PARKII (SHEA) BUTTER	1.0-1.5
SIMMONDSIA	SIMMONDSIA	
CHINENSIS (JOJOBA)	CHINENSIS (JOJOBA)	1.0-1.5
SEED OIL	SEED OIL	
	CYCLOPENTASILOXAN	
CYCLOPENTASILOXANE	E	
POLYETHYLENE	POLYETHYLENE	
DIMETHICONE	DIMETHICONE	1.0-1.1
PEG/PPG-20/15	PEG/PPG-20/15	
DIMETHICONE	DIMETHICONE	
PHENYL METHICONE	PHENYL METHICONE	
AQUA	AQUA	
SACCHAROMYCES/SOY	SACCHAROMYCES/SO	
PROTEIN FERMENT	Y PROTEIN FERMENT	
SERINE	SERINE	
FUCOSE	FUCOSE	
GLYCOSAMINOGLYCAN	GLYCOSAMINOGLYCA	1.0-2.0
S	NS	1.0-2.0
CAPRYLHYDROXAMIC	CAPRYLHYDROXAMIC	
ACID	ACID	
PROPANEDIOL	PROPANEDIOL	
1,2-HEXANEDIOL	1,2-HEXANEDIOL	
PHENOXYETHANOL	PHENOXYETHANOL	
HYDROXYETHYL	HYDROXYETHYL	
ACRYLATE/SODIUM	ACRYLATE/SODIUM	
ACRYLOYLDIMETHYL	ACRYLOYLDIMETHYL	
TAURATE COPOLYMER	TAURATE	
	COPOLYMER	0.5-1.0
POLYSORBATE 60	POLYSORBATE 60	
SORBITAN	SORBITAN	
ISOSTEARATE	ISOSTEARATE	
AQUA	AQUA	
GLYCERYL CAPRYLATE	GLYCERYL CAPRYLATE	
CAPRYLHYDROXAMIC	CAPRYLHYDROXAMIC	
ACID	ACID	0.8-0.88
HYDROXYACETOPHENO	HYDROXYACETOPHEN	
NE	ONE	

BUTYLENE GLYCOL	BUTYLENE GLYCOL	
AQUA	AQUA	
PHYTOSTERYL/OCTYLD	PHYTOSTERYL/OCTYL	
ODECYL LAUROYL	DODECYL LAUROYL	0.5-0.55
GLUTAMATE	GLUTAMATE	
	TOCOPHERYL	0510
TOCOPHERYL ACETATE	ACETATE	0.5-1.0
GLYCERYLAMIDOETHYL	GLYCERYLAMIDOETHY	
METHACRYLATE/STEAR	L	
YL METHACRYLATE	METHACRYLATE/STEA	
COPOLYMER	RYL METHACRYLATE	0.5-1.0
COPOLINILK	COPOLYMER	
GLYCERIN	GLYCERIN	
BUTYLENE GLYCOL	BUTYLENE GLYCOL	
LACTOBACILLUS/RICE	LACTOBACILLUS/RICE	
FERMENT	FERMENT	0540
MALTITOL	MALTITOL	0.5-1.0
ARGININE	ARGININE	
SILICA	SILICA	0.5-1.0
ALLANTOIN	ALLANTOIN	0.15-0.2
CARNOSINE	CARNOSINE	0.15-0.2
SODIUM	SODIUM	0100
POLYGLUTAMATE	POLYGLUTAMATE	0.1-0.2
BETA-GLUCAN	BETA-GLUCAN	0.05-0.1
SODIUM	SODIUM	0.05-0.1
HYALURONATE	HYALURONATE	0.05-0.1

#### 1. Animal testing and toxicity studies:

The raw material(s) used in the product and the finish product itself have not been subjected to any animals testing in order to meet the requirements of EU Cosmetic Regulation (EC) No 1223/2009.

## 2. Undesirable effects (UEs) and serious undesirable effects (SUEs)

The product or, where relevant, other cosmetic products have not been involved to any undesirable effects or serious undesirable effects as defined in the Article 21 of Regulation (EC) No 1223/2009.

**Undesirable effects (UEs):** "adverse reactions for human health attributable to the normal or reasonably foreseeable use of a cosmetic product."

**Serious Undesirable effects (SUEs):** "undesirable effects which result in temporary or permanent functional incapacity, disability, hospitalisation, congenital anomalies or an immediate vital risk or death."

I hereby confirmed that all the above information is complete and accurate and agree to immediately notify in writing of any changes to the above details. Name: Qin Hao

Position: CEO

Date: Sept 29,2022

Company Address: Building E7, Lugu Yuyuan, No.27, Wenxuan Road, High-Tech Development Zone, Changsha, Hunan, China, 410000





#### **Appendix 6- Fragrance**

This formulation does not contain a synthetic fragrance and therefore a fragrance safety evaluation as per IFRA code of practice is not available to this product.



#### Appendix 7- Heavy Metal Test Report of Cosmetic Product

See below report(s) if available



#### **Test Report** Number: GZHH00472057 Hunan Sunshine Bio-Tech Co., Ltd Applicant: Date: Nov 01, 2022 Building E7, Lugu Yuyuan, No.27, Wenxuan Road, High-Tech Development Zone, Changsha, Hunan, China, 410000 Sample Description: One (1) style of submitted sample said to be : Item Name SQT Anti-Aging Rejuvenation Set. Country of Origin China. Date Sample Received Oct 20, 2022 Testing Period Oct 20, 2022 to Nov 01, 2022 Tests conducted: As requested by the applicant, refer to attached page(s) for details. Conclusion: Tested Sample Standard Result The European Cosmetic Regulation (EC) No.1223/2009 Annex I Tested component(s) of Pass submitted sample(s) Part A 3, Microbiological control criteria of the cosmetic products. With reference to the Notification of the German Federal Health Meet Office Centre (BGA) up to 1996 on toxic elements analysis for cosmetics

Intertek GM Testing Service Zhuhai Co. Ltd.



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Number: GZHH00472057

#### **Tests Conducted**

Microbiological examination of non-sterile products : Microbial Enumeration Tests and tests for specified 1 microorganisms of submitted sample

With reference to British Pharmacopoeia (2020), Appendix XVI B2 & B1 and European Pharmacopoeia 10.0 Edition, Chapter 2.6.12 & 2.6.13.

Tost It	Test Item		Result		
165110			<u>(2)</u>	<u>Limit</u>	
(I)	Total Aerobic Microbial Count (per g)	<10 CFU#	<10 CFU#	Category (B): (I) + (II)	
(II)	Moulds and Yeasts Count (per g)	<10 CFU#	<10 CFU#	should be ≤1,000 CFU	
(111)	Escherichia coli (per g)	Absence	Absence	Absence	
(IV)	Pseudomonas aeruginosa (per g)	Absence	Absence	Absence	
(V)	Staphylococcus aureus (per g)	Absence	Absence	Absence	
(VI)	Candida albicans (per g)	Absence	Absence	Absence	
(VII)	Bile-Tolerant Gram-Negative Bacteria (per g)	Absence	Absence	-	
(VIII)	Salmonella sp. (per 10g)	Absence	Absence	-	
(IX)	Clostridia sp. (per g)	Absence	Absence	-	

Test Item		Result		Limit	
		<u>(3)</u>	<u>(4)</u>		
(I)	Total Aerobic Microbial Count (per g)	<10 CFU#	<10 CFU#	Category (B): (I) + (II)	
(II)	Moulds and Yeasts Count (per g)	<10 CFU#	<10 CFU#	should be ≤1,000 CFU	
(111)	Escherichia coli (per g)	Absence	Absence	Absence	
(IV)	Pseudomonas aeruginosa (per g)	Absence	Absence	Absence	
(V)	Staphylococcus aureus (per g)	Absence	Absence	Absence	
(VI)	Candida albicans (per g)	Absence	Absence	Absence	
(VII)	Bile-Tolerant Gram-Negative Bacteria (per g)	Absence	Absence	-	
(VIII)	Salmonella sp. (per 10g)	Absence	Absence	-	
(IX)	Clostridia sp. (per g)	Absence	Absence	-	

#### Page 2 of 4

Intertek GM Testing Service Zhuhai Co. Ltd. 珠海天祥粤澳质量技术服务有限公司

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Tests Conducted

Number: GZHH00472057

Test component(s): (1) White cream (4-1) (2) Yellow liquid (4-2) (3) Transparent liquid attached to white non-woven cloth (4-3) (4) White cream (4-4)

Remark :

- # = No colony was detected at the one-tenth dilution of the sample
- CFU = Colony Forming Unit
- < = Less than
- $\leq$  = Less than or equal to

The limit for test item (I) and (II) is with reference to the notes of guidelines on microbiological quality of the finished cosmetic products adopted by Scientific Committee on Consumer Safety (SCCS, 11<sup>th</sup> Rev., 2021) of the European Commission, Microbiological Quantitative Limits for Category B Cosmetic Products.

Category A: Cosmetic products specifically intended for children under 3 years, eye area and mucous membranes.

Category B: Other cosmetic products.

Sample received condition: sample (1), (2), (4) in closed bottle, sample (3) in unopened container.



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中国珠海市横琴新区环岛北路 2682 号粤澳合作中



**Tests Conducted** 

Number: GZHH00472057

#### 2 Toxic Element Analysis (Cosmetics)

Acid digestion for Antimony (Sb), Arsenic (As), Cadmium (Cd), Lead (Pb) and Mercury (Hg) and perspiration simulant extraction for Soluble Nickel (Ni), follow by Inductively Coupled Plasma Mass Spectrometry analysis.

	Result (ppm)				Reporting Limit	Limit#	
Element		Test component(s)			(ppm)	<u>(ppm)</u>	
	<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(ppin)</u>		
Total Antimony (Sb)	ND	ND	ND	ND	0.1	10	
Total Arsenic (As)	ND	ND	ND	ND	0.1	5	
Total Cadmium (Cd)	ND	ND	ND	ND	0.1	5	
Total Lead (Pb)	ND	ND	ND	ND	0.1	20	
Total Mercury (Hg)	ND	ND	ND	ND	0.1	1	
Soluble Nickel (Ni)	ND	ND	ND	ND	0.1	10	

Test component(s):

(1) White cream (4-1)

(2) Yellow liquid (4-2)

(3) Transparent liquid attached to white non-woven cloth (4-3)

(4) White cream (4-4)

#### Remark :

	I CHIC	ur.	
	ppm	=	parts per million = mg/kg
	#	=	The limit is with reference to the Notification of the German Federal Health Office (BGA), Pg 28,
			No. 7, July 1985 and No. 7/1992 and No. 4/1996 for cosmetics
	ND	=	Not detected (less than reporting limit)
******	******	*******	

End of report

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#### **Appendix 8- Human Volunteers Studies**

#### 1. Human volunteers study for the cosmetic product

No existing studies from human volunteers for finish product were provided

#### 2. Human volunteers study for raw material

No existing studies from human volunteers for raw material(s) were provided



**Appendix 9- Assessor's credentials** 

Leshuai Zhang, Toxicologist, Intertek China Professor, PhD, DABT, ERT, UKRT, DCST

#### Education

#### Ph. D., Comparative Biomedical Sciences

Center for Chemical Toxicology Research and Pharmacokinetics, College of Veterinary Medicine, North Carolina State University, Raleigh, North Carolina, USA

#### M. S., Molecular Biology

Sept 2002 – June 2005

Aug 2005 – May 2010

Department of applied Biology, East China University of Science and Technology & Institute of Biochemistry and Cell Biology, Shanghai Institutes for Biological Sciences, Chinese Academy of Science, Shanghai, China

#### B. S., Biochemistry

#### Sept 1998 – June 2002

Department of applied Biology, East China University of Science and Technology

#### Certificate

DCST, Diplomat of Certified Toxicologist CST	Apr 2021
ERT, Europe Registered Toxicologist	Aug 2018
UKRT, UK Registered Toxicologist	Aug 2018
DABT, Diplomate of American Board of Toxicology	Oct 2015

#### **Career Experience**

Mar 2021 – Present, Toxicologist, Intertek China

**February 2014 – Present,** Professor in School of Radiation Medicine and Protection (SRMP), Soochow University, Suzhou, Jiangsu Province, China

Research Interests: Polysaccharides from traditional medical herbs and tumor immunotherapy; Bismuth compounds and nephrotoxicity; Hepatotoxicity and phospholipidosis by liver spheroids (3D cell culture); Microcontact printing technology and cell backpack based drug delivery system

**November 2012 – January 2014,** Research Assistant Professor in the Nanotechnology Innovation Center of Kansas State University.

Research Interests:Food safety (toxicity) on primary hepatocytes; Nanocorona and Nanotoxicology studies

**June 2010 – June 2012,** Research Fellow in the Division for Drug Safety Research, Center for Drug Evaluation and Research, Food and Drug Administration, supported by the Oak Ridge Institute of Science and Education Fellowship Program. Under the supervision of Dr. Rodney Rouse and Dr.Thomas Colatsky.

Research Description: Drug induced pancreatitis in vivo, biomarker evaluation and toxicity mechanisms; Nanoparticle toxicity prediction in vitro; Calcium signaling in drug induced cardiovascular injury

**Aug 2005 – June 2010,** Graduate Research Assistant, Center for Chemical Toxicology Research and Pharmacokinetics, Department of Clinical Sciences, College of Veterinary Medicine, North Carolina State University, Raleigh, North Carolina. Under the supervision of Nancy A. Monteiro-Riviere.

Research Description: Quantum dot nanoparticle penetration and absorption in skin; Cytotoxicity of nanoparticles via MTT/Cell Titer Blue/Cell Titer 96AQ/LDH assays, live/dead fluorescence markers and apoptosis/necrosis markers, inflammatory factors release and reactive oxygen species (ROS); Nanoparticle cellular uptake and mechanisms by human epidermal keratinocytes, dendritic cells and mesenchymal stem cell derived adipose cells

#### Publications Citation > 1600

- Pang G, Liu Y, Wang Y, Wang Y, Wang F, Zhao J, <u>Zhang LW\*</u>. Endotoxin contamination in ovalbumin as viewed from a nano-immunotherapy perspective. Wiley Interdiscip Rev Nanomed Nanobiotechnol. 2021 Aug 10:e1747.
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- Wang J, Chen XY, Zhao Y, Yang Y, Wang W, Wu C, Yang B, Zhang Z, <u>Zhang L</u>, Liu Y, Du X, Li W, Qiu L, Jiang P, Mou XZ, Li YQ. pH-Switchable Antimicrobial Nanofiber Networks of Hydrogel Eradicate Biofilm and Rescue Stalled Healing in Chronic Wounds. ACS Nano. 2019 Oct 22;13(10):11686-11697.
- Yu H, Yang Y, Jiang T, Zhang X, Zhao Y, Pang G, Feng Y, Zhang S, Wang F, Wang Y, Wang Y\*, <u>Zhang L\*</u>. Effective Radiotherapy in Tumor Assisted by Ganoderma lucidum Polysaccharide-Conjugated Bismuth Sulfide Nanoparticles through Radiosensitization and Dendritic Cell Activation. ACS Appl Mater Interfaces. 2019 Aug 7;11(31):27536-27547.
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- Yan R, Chen J, Wang J, Rao J, Du X, Liu Y, <u>Zhang L</u>, Qiu L, Liu B, Zhao YD, Jiang P, Chen C, Li YQ. 2018. A NanoFlare-Based Strategy for In Situ Tumor Margin Demarcation and Neoadjuvant Gene/Photothermal Therapy. Small. e1802745.
- <u>Zhang L\*</u>, Monteiro-Riviere NA Toxicity Assessment of Six Titanium Dioxide Nanoparticles in Human Epidermal Keratinocytes. 2018. Cutaneous and Ocular Toxicology. 2018 Sep 28:1-29. doi: 10.1080/15569527.2018.1527848.
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- Zhang X, Yang L, Liu Y, Song Z, Zhao J, Chen D, Yu Huan, Li R, Wang Y, Yang K, Chen Y, Xia M, <u>Zhang L\*</u>. 2018. Detection of Nanocarrier Potentiation on Drug Induced Phospholipidosis in Cultured Cells and Primary Hepatocyte Spheroids by High Content Imaging and Analysis. Toxicology and Applied Pharmacology 348: 54–66.
- Chen D, Yang L, Chen X, Zhang X, Liu Y, Guo Z\*, <u>Zhang L\*</u>. 2018. Automated contour analysis of multi-cellular spheroids spreading through high content imaging. Physical Biology 24: 15:026006
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- 43. <u>Zhang L</u>, Monteiro-Riviere NA. 2008. Assessment of quantum dot penetration into intact, tapestripped, abraded and flexed rat skin. *Skin Pharmacology and Physiology* 21:166 –180.
- <u>Zhang L</u>, Yu WW, Colvin VL, Monteiro-Riviere NA. 2008. Biological interactions of quantum dot nanoparticles in skin and in human epidermal keratinocytes. *Toxicology and Applied Pharmacology* 228:200–211.
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#### **Book and Chapters**

Zhang L, Chen D. 2017. Chapter 7. Cellular uptake mechanisms of nanoparticles for biomedical imaging. In Shi D, Zhang B (eds.): Nano Imaging: From Fundamental Principles to Translational Medical Applications. The World Scientific Encyclopedia of Nanomedicine and Bioengineering I. World Scientific., pp. 241-272.

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Monteiro-Riviere NA, <u>Zhang LW</u>. 2008. Assessment of quantum dot penetration into skin in different species under different mechanical actions. In Linkov I, Steevens J (eds.): Nanomaterials: Risks and Benefits. Springer, Dordrecht, Netherlands, pp. 41-52.

Journal Name	IF	Review #
Biomaterials	10.3	2
ACS Applied Materials & Interfaces	8.5	9
Nanoscale	7	3
Particle and Fibre Toxicology	6.6	2
Wiley Interdisciplinary Reviews-Nanomedicine and Nanobiotechnology	6.1	8
Carbohydrate Polymer	6	4
Nanotoxicology	6	1
Biomacromolecules	5.7	1
Nanomedicine-Nanotechnology Biology and Medicine	5.6	8
Science of the Total Environment	5.6	1
International Journal of Biological Macromolecules	4.8	7
ACS Biomaterials Science & Engineering	4.5	1
International Journal of Nanomedicine	4.5	23
Scientific Reports	4	3
Toxicological Sciences	3.6	2
Metallomics	3.6	1
Toxicology	3.5	6
Toxicology letters	3.5	22
Cellular Immunology	3.3	3
Toxicology in vitro	3.1	31
Journal of Applied Toxicology	3.1	1
Archives of Pharmacal Research	2.5	1
Cancer Management and Research	2.2	1
Frontiers in Veterinary Science	2	1
IET Nanobiotechnology	1.9	1
Toxicology and Industrial Health	1.6	20
Toxicologic Pathology	1.4	3
Animal Biotechnology	1.3	1
International Journal of Toxicology	1.2	16
Journal of Nanoscience and Nanotechnology	1.1	1
Cutaneous and Ocular Toxicology	1.1	2
Nanoimpact		3
Nanotoday		2
Nanoscale Advances		1
Applied In Vitro Toxicology		1
Theranostics		1
Total		195

#### **Journal Reviewers**

#### **Funding Support**

- 1. Design of cell backpacks by micro contact printing and their applications in tumor immunotherapy. National Natural Science Foundation of China #32171403, 2022/01-2025/12
- 2. Hepatotoxicity of copper sulfide nanoparticles. National Natural Science Foundation of China #31971319, 2020/01-2023/12
- 3. Bismuth nanomaterials and nephrotoxicity, National Natural Science Foundation of China #31771104, 2018/01-2021/12
- 4. Influence of Graphene oxide Derivatives on phospholipidosis, National Natural Science Foundation of China #81401511, 2015/01-2017/12
- 5. Immunoregulatory function on herbal polysaccharide on dendritic cells, National Natural Science Foundation of China #81373950, 2014/01 2017/12

#### Awards and Scholarships

- 1. Outstanding young scholars awarded by Chinese Society of Toxicology (2020)
- Battelle Memorial Research Award of the Dermal Toxicology Specialty Section at the 48th Annual Meeting of the National Society of Toxicology (SOT), Baltimore, MD, 2009. Research Proposal "Inhibition of multi-walled carbon nanotubes in human epidermal keratinocytes by lectin or niacinamide", \$2500.
- 3. First place award for the MB Research Award, at the 47th Annual Meeting of the National Society of Toxicology (SOT), Seattle, Washington, 2008.
- 4. Third place for best poster at the In Vitro and Alternative Methods Specialty Section at the 47th Annual Meeting of the National Society of Toxicology (SOT), Seattle, Washington, 2008.
- Toxicology and Applied Pharmacology, Certificate of Recognition for one of Elsevier's Top 10 Cited Articles on Scopus 2007-2008.

#### **Professional Associations and Activities**

2021 – Present	Associate Editor, Journal of Nanobiotechnology
2021 – Present	Editor Board Member, Toxicology Research and Applications
2016 – Present	Officer, Nanotoxicology Specialty Section, Chinese Society of Toxicology
2012 – Present	Associate Editor, Toxicology and Industrial Health
2012 – 2015	Education Committee Officer, US Society of Toxicology
2011 – 2012	Officer, Nanotoxicology Specialty Section, US Society of Toxicology
2009 – Present	Full membership, Sigma Xi Scientific Research Society
2006 – Present	Membership in US Society of Toxicology



## This is to Certify that

LESHUAI ZHANG

may use the title



whilst registered with the

UK Register of Toxicology

elix Signature

June 26, 2018

Date

EUROTOX Basie, SWITZERLAND





# This is to certify that Leshuai Zhang

## has been registered with the

# **UK Register of Toxicologists**

## and is bound by the codes of conduct of the

## Royal Society of Biology and British Toxicology Society

## for the period

## 21st May 2018 to 20th May 2023

Kerley Stanley

Dr Lesley Stanley, ERT (Panel Chair)



Incorporated by Royal Charter Registered Charity No: 277981

# The American Board of Toxicology



hereby declares that

# Leshuai Zhang

## having fulfilled all the Board's requirements is Certified in General Toxicology



October 29, 2015



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\*Serving in a personal capacity

### AMERICAN BOARD OF TOXICOLOGY, INC.

August 2019

Dr. Leshuai Zhang Guoliyuan Xincun 76-202 Nantong, 226001 China

Dear Dr. Zhang:

This letter is to inform you of the status of your recertification application.

Your application is in order and you passed the Literature Review assessment. Therefore, nothing further is required. In December of 2020 (**NOT 2019**) you will receive a letter and sticker affirming your recertification for five years.

Please note, Diplomates are strongly encouraged to record activities related to recertification on an ongoing basis via the ABT website.

If you have any questions, please contact the ABT office.

Sincerely,

Evalemaden

Susie Masten Executive Director