



### Certificate of Analysis

Batch Details  
Product Name: MELON LIQUID FRUIT EXTRACT  
Batch No: 4402015  
Best Before End: JULY 2022

Appearance CLEAR LIQUID

#### Quality Control Results

Analytical Test Method No.	Characteristic	Specification Limit		Value	Unit	Status
		Lower	Upper			
FC0031AO	Addendum 00	PASS OR FAIL		Pass		p
	SPECIFIC GRAVITY (20 °C)	1.050	1.070	1.070		p
FC0032AO	REFRACTIVE INDEX (20 °C)	1.385	1.400	1.392		p
FC0064AO	pH VALUE (20 °C)	4.0	6.5	5.1		p
FC0028AO	DRY RESIDUE (2.5g-105 °C-15h)	6.0	8.5	7.2	%	p
JC0054AO	TOTAL GERMS	100 MAX CFU/ML		Pass		p
JC0054AO	MOULDS/YEASTS	10 MAX CFU/ML		Pass		p

Store between 15-25 °C, dark in closed containers

The performed analysis are guaranteed on original packaging when stored accordingly, stable for 12 months

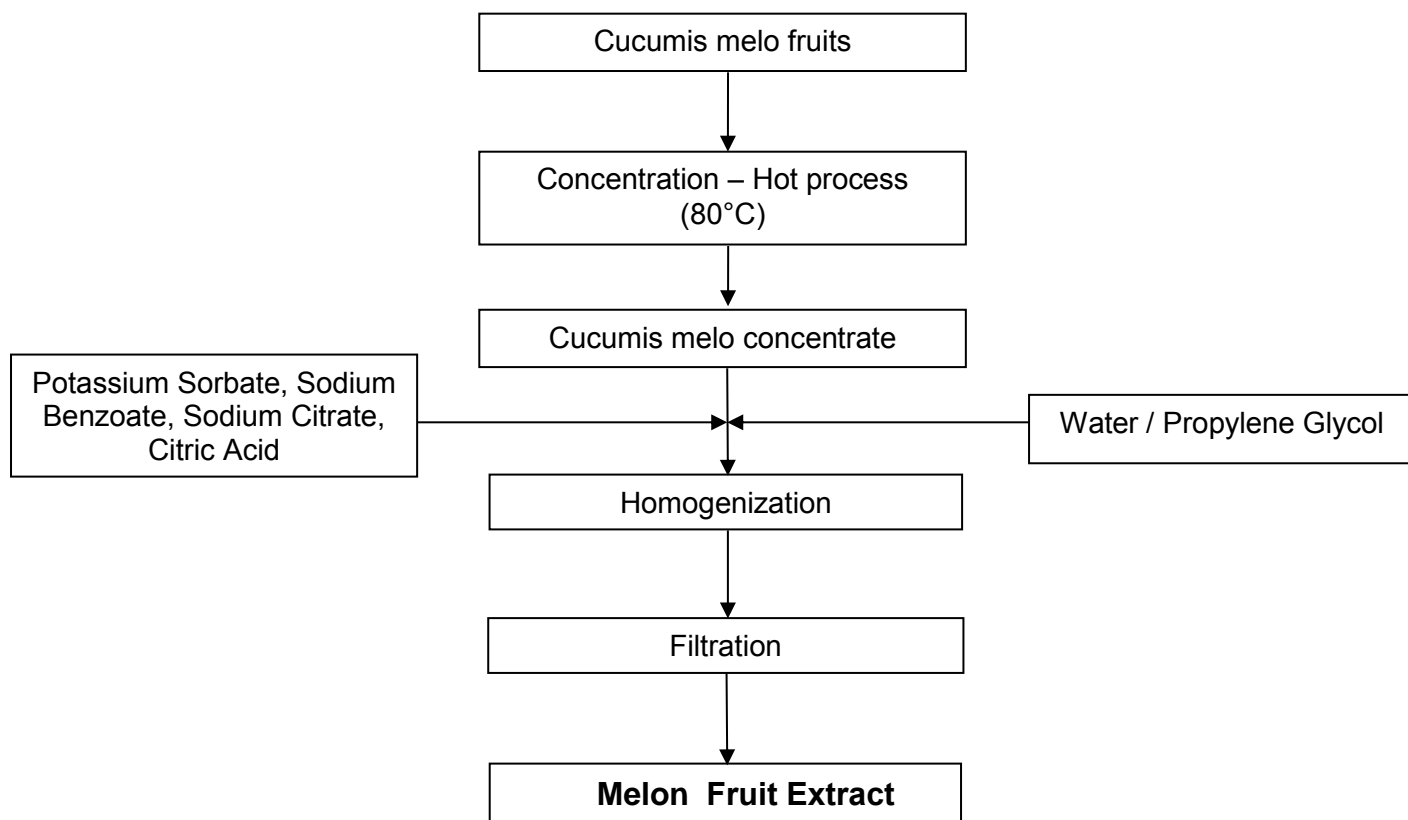
Batch Status: Pass

The quality tests on this batch are reported above. The tests carried out are those necessary to demonstrate compliance with our product specification and are not intended to guarantee the product as suitable for any application beyond those contained in the specification. We recommend you perform your own quality and or identification checks on receipt



## Flow Chart of Melon Liquid Fruit Extract

18/03/20



## Composition Information

### Product Name: Melon Liquid Fruit Extract

**INCI Name :** Water, Propylene Glycol, Cucumis Melo (Melon) Fruit Extract

**INCI Name EU :** to follow Cosing, the European Commission database on <http://ec.europa.eu/consumers/cosmetics/cosing/>

**Composition :**

Water	48 – 52%
Propylene Glycol	38 – 42%
Cucumis Melo (Melon) Fruit Extract*	8 – 10%

\* Cucumis Melo (Melon) Fruit Extract is expressed as fruit concentrate.  
1kg concentrate is obtained from 6-8 liters of fruit juice

<b>Preservatives :</b>	Potassium Sorbate	approx. 0.5%
	Sodium Benzoate	approx. 0.5%
	Benzoic Acid	approx. 0.5%
	Sorbic Acid	approx. 0.1%

**Antioxidant :** None

03/16

This composition replaces the earlier one dated 03/09

*Non-warranty*

The information in this publication is believed to be accurate and is given in good faith but no representation or warranty as to its completeness or accuracy is made. Suggestions for uses or applications are only opinions. Users are responsible for determining the suitability of these products for their own particular purpose. No representation or warranty, express or implied, is made with respect to information or products including without limitation warranties of merchantability or fitness for a particular purpose or non-infringement of any third party patent or other intellectual property rights including without limit copyright, trademark and designs. Any trademarks identified herein are trademarks of the MADAR group of companies.

## REACH STATEMENT

**MADAR Corporation is committed to meet the requirements set out in the REACH (Registration Evaluation and Authorization of Chemicals) regulations and we are working with our suppliers to ensure a continued supply of the below mentioned product.**

Below listed product is so called preparation composed of ingredients (named under REACH as substances).

### **Melon Liquid Fruit Extract**

<b>INCI</b>	<b>CAS</b>	<b>EINECS</b>	<b>REACH status</b>	<b>Comment</b>
Water	7732-18-5	231-791-2	/	/
Propylene Glycol	57-55-6	200-338-0	Registered	01-2119456809-23
Cucumis Melo (Melon) Fruit Extract	90063-94-8	290-054-3	Exempt	Production < 1 T / year
Potassium Sorbate	24634-61-5	246-376-1	Registered	01-2119950315-41
Sodium Benzoate	532-32-1	208-534-8	Registered	01-2119460683-35
Benzoic Acid	65-85-0	200-618-2	Registered	01-2119455536-33
Sorbic Acid	110-44-1	203-768-7	Registered	01-2119950330-49

If in the future the amount of a substance produced by our supplier would exceed the 1T/year limit, they will ensure its registration.

Substances of Very High Concern (SVHC; in REACH's Appendix XIV substances' list subjected to authorization) have not been added in the above mentioned product and are not expected to be impurities of the raw materials used in this product

This information is given in good faith and is based on our knowledge to date.

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## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

### MELON LIQUID FRUIT EXTRACT

Version 1.1	Revision Date: 05.12.2019	Date of last issue: 05.12.2019	Print Date : 18.03.2020
		Date of first issue: 05.12.2019	

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#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

Product name : MELON LIQUID FRUIT EXTRACT

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-  
stance/Mixture : Manufacture of soap and detergents, cleaning and polishing  
mixtures  
Cosmetic additive

##### 1.3 Details of the supplier of the safety data sheet

Company : MADAR Corporation Limited  
19-20 Sandleheath Industrial Estate  
Fordingbridge  
Hampshire  
SP6 1PA

Telephone : +44 (0)1425 655555

E-mail address : sales@madarcorporation.co.uk

##### 1.4 Emergency telephone number

Emergency telephone number : USA: 24 Hour Emergency Response Information CHEMTREC  
toll free: 1-800-424-9300; direct/international: 1-703-527-3887.  
CANADA: CANUTEC 1-888-CAN-UTEC (226-8832), 613-996-  
6666 or \*666. EUROPE: 00 32 3575 5555. ASIA PACIFIC -  
excl. China: +65 6542-9595. CHINA: +86 816-635 2206.  
AUSTRALIA: +61 2 7808 3390. SOUTH AFRICA: +32 3 575 55  
55. BRASIL:Suatrans 0800 707 7022 / 0800 707 1767. LATAM:  
Suatrans (+55) 11 98149-0850 / (+55) 19 3833-5300. INDIA:  
+91 22 30948601/2. JAPAN: +65 6542 9595 (24 時間 日本語対  
応無料通話, シンガポール). TÜRKIYE: Sağlık Bakanlığı Ulusal  
Zehir Merkezi - 114

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#### SECTION 2: Hazards identification

##### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

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#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : Cosmetics

##### Components

Remarks : No hazardous ingredients

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General advice : When symptoms persist or in all cases of doubt seek medical advice.

If inhaled : If breathed in, move person into fresh air.  
If symptoms persist, call a physician.

In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.  
If symptoms persist, call a physician.

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed : If large quantities of this material are swallowed, call a physician immediately.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : None known.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : None known.

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#### SECTION 5: Firefighting measures

##### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

##### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : In case of fire hazardous decomposition products may be produced such as:  
Carbon oxides

Do not use a solid water stream as it may scatter and spread fire.

##### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Specific extinguishing methods : Standard procedure for chemical fires.

Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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#### SECTION 6: Accidental release measures

##### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.  
Use personal protective equipment.

##### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

##### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material.  
Sweep up and shovel into suitable containers for disposal.

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#### 6.4 Reference to other sections

None.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep container tightly closed in a dry and well-ventilated place.

Advice on common storage : No special restrictions on storage with other products.

Recommended storage temperature : 15 - 25 °C

Further information on storage stability : Recommended storage temperature

#### 7.3 Specific end use(s)

Specific use(s) : Manufacture of chemical products

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Propylene glycol	57-55-6	TWA (particles)	10 mg/m <sup>3</sup>	GB EH40
Further information	Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			
		TWA (Total vapour and particles)	150 ppm 474 mg/m <sup>3</sup>	GB EH40
Further information	Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			

#### 8.2 Exposure controls

##### Personal protective equipment

Eye protection : Safety glasses with side-shields



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Hand protection	:	
Remarks	:	For prolonged or repeated contact use protective gloves.
Skin and body protection	:	Impervious clothing
Respiratory protection	:	No personal respiratory protective equipment normally required.
Protective measures	:	Wear suitable protective equipment.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	:	clear, liquid
Colour	:	brown
Odour	:	characteristic
Odour Threshold	:	No data available
pH	:	4.0 - 6.5 (20 °C)
Melting point	:	No data available
Boiling point	:	No data available
Decomposition temperature	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Density	:	1.050 - 1.070 g/cm <sup>3</sup> (20 °C)
Solubility(ies)	:	
Water solubility	:	soluble

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Solubility in other solvents : not determined

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity

    Viscosity, dynamic : No data available

    Viscosity, kinematic : No data available

Explosive properties : Classification Code: No data available

Oxidizing properties : No data available

#### 9.2 Other information

Self-ignition : No data available

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No data available

#### 10.2 Chemical stability

No data available

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

#### 10.4 Conditions to avoid

Conditions to avoid : None known.

#### 10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

#### 10.6 Hazardous decomposition products

No data available

In case of fire hazardous decomposition products may be produced such as:

Carbon oxides

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Product:**

Acute oral toxicity : No data available:  
Acute inhalation toxicity : No data available:  
Acute dermal toxicity : No data available:

#### Skin corrosion/irritation

**Product:**

Remarks : No data available

#### Serious eye damage/eye irritation

**Product:**

Remarks : No data available

#### Respiratory or skin sensitisation

**Product:**

Remarks : No data available

#### Germ cell mutagenicity

**Product:**

Genotoxicity in vitro : Remarks: No data available

#### Carcinogenicity

**Product:**

Carcinogenicity - Assessment : No data available

#### STOT - single exposure

**Product:**

Assessment : No data available

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#### STOT - repeated exposure

**Product:**

Assessment : No data available

#### Aspiration toxicity

**Product:**

No data available

#### Further information

**Product:**

Remarks : Health injuries are not known or expected under normal use.

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## SECTION 12: Ecological information

### 12.1 Toxicity

**Product:**

Toxicity to fish : Remarks: No data available

### 12.2 Persistence and degradability

**Product:**

Biodegradability : Remarks: No data available

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: No data available

### 12.4 Mobility in soil

**Product:**

Mobility : Remarks: No data available

Distribution among environmental compartments : Remarks: No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



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#### 12.6 Other adverse effects

**Product:**

Additional ecological information : No data available

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#### SECTION 13: Disposal considerations

##### 13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

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#### SECTION 14: Transport information

##### 14.1 UN number

Not regulated as a dangerous good

##### 14.2 UN proper shipping name

Not regulated as a dangerous good

##### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

##### 14.4 Packing group

Not regulated as a dangerous good

##### 14.5 Environmental hazards

Not regulated as a dangerous good

##### 14.6 Special precautions for user

Not applicable

##### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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#### SECTION 15: Regulatory information

##### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**The components of this product are reported in the following inventories:**

TSCA : This product either contains a chemical substance that is not listed on the public TSCA Inventory or the TSCA Inventory status of the product has not been evaluated. For FDA uses only.

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CH INV : On the inventory, or in compliance with the inventory

DSL : All components of this product are on the Canadian DSL

AICS : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

#### 15.2 Chemical safety assessment

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#### SECTION 16: Other information

##### Full text of other abbreviations

GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Sub-



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stances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GB / EN



Date: 18.03.2020

## Specification

**Product Name:** MELON LIQUID FRUIT EXTRACT  
**Specification:** 14/10/2019

Period of validity for material stored in unopened containers and stored in cool dry conditions (unless otherwise specified): 365 days.

Analy. Test Method No.	Characteristic	Specification Limits		Units
		Lower	Upper	
	REVISION NUMBER	1.0		
AC018000	APPEARANCE FORM	LIQUID		
AC018000	APPEARANCE CLARITY	CLEAR		
AC018000	APPEARANCE COLOUR	BROWN YELLOW TO ORANGE BROWN		
AC018000	ODOUR	CHARACTERISTIC		
FC0031A0	SPECIFIC GRAVITY (20°C)	1.050	1.070	
FC0032A0	REFRACTIVE INDEX (20°C)	1.385	1.400	
FC0064A0	pH VALUE (20°C)	4.0	6.5	
FC0028A0	DRY RESIDUE (2.5g-105°C-15h)	6.0	8.5	%
JC0054B0	MOULDS/YEASTS	10 MAX CFU/G		
JC0054B0	TOTAL GERMS	100 MAX CFU/G		

Long term storage between 15-25°C, dark in closed containers.  
The performed analysis are guaranteed on original packaging.  
When stored accordingly, stable for 12 months.





## Toxicological dossier

### Product Name: Melon Liquid Fruit Extract

**INCI Name :** Water, Propylene Glycol, Cucumis Melo (Melon) Fruit Extract

**INCI Name EU :** to follow Cosing, the European Commission database on <http://ec.europa.eu/consumers/cosmetics/cosing/>

**Composition :**

(A: > 50 %; B: 25 - 50 %; C: 10 - 25 %; D: 5 - 10 %; E: 1 - 5 %; F: 0.1 - 1 %; G: < 0.1 %)

Water	B
Propylene Glycol	B
Cucumis Melo (Melon) Fruit Extract	D

**Origin of raw materials :**

- Plant origin : Cucumis Melo
  - plant part : Fruits
  - from organic culture : No
  - free of GMO : Yes
- Synthetic origin : Propylene Glycol and preservatives
- Animal origin : No

**Preservatives :**

Potassium Sorbate	approx. 0.5 %
Sodium Benzoate	approx. 0.5 %
Benzoic Acid	approx. 0.5 %
Sorbic Acid	approx. 0.1%

**Antioxidant :** None

**Manufacturing process :** Multistep manufacturing process starting with Melon fruit juice concentration by hot evaporation of the water. Careful resolubilisation of the fruit powder in a propylene glycolic-aqueous carrier, conditioning, preservation, filtration and filling

**Microbiological Data :**

- ⇒ Bacteria < 100 cfu / g
- ⇒ Moulds and yeasts < 10 cfu / g
- ⇒ Pathogenic Micro-organisms Not tested

**Contamination by trace elements :**

- ⇒ Heavy metals : Total heavy metals expressed as Pb < 10 ppm according to Ph. Eur. 2.4.8 method C or USP <231> method II. Conclusion by analogy
- ⇒ Pesticides: Pesticides are expected to pass DFG S 19 (according to "Rückstandshöchstmengenverordnung") Conclusion by analogy
- ⇒ Impurities :  
Citric Acid Maximum 200 ppm  
Ethanol Maximum 500 ppm  
(not tested – conclusion by analogy)

Impurities are residual monomer, dioxane, chloroacetic acid, 3-Chloropropanol, nitrosamines, amine, polychloro biphenyls, benzene, nuts, polychloro dibenzo dioxins and dibenzo furans and dimethyl aminopropylamine

- ⇒ Residual solvents: Not expected – not tested

## Total volatile components / Allergens content :

We herewith confirm that **Melon Liquid Fruit Extract**, meets the following properties :

CAS-No.	Allergen	Content expected
122-40-7	Amyl cinnamic aldehyde	Not expected
101-85-9	Amyl cinnamic alcohol	Not expected
105-13-5	Anisyl alcohol	Not expected
100-51-6	Benzyl alcohol	Not expected
120-51-4	Benzyl benzoate	Not expected
103-41-3	Benzyl cinnamate	Not expected
118-58-1	Benzyl salicylate	Not expected
104-55-2	Cinnamic aldehyde	Not expected
104-54-1	Cinnamic alcohol	Not expected
5392-40-5	Citral	Not expected
106-22-9	Citronellol	Not expected
91-64-5	Coumarin	Not expected
97-53-0	Eugenol	Not expected
4602-84-0	Farnesol	Not expected
106-24-1	Geraniol	Not expected
101-86-0	Hexyl cinnamaldehyde	Not expected
107-75-5	Hydroxycitronellal	Not expected
97-54-1	Isoeugenol	Not expected
80-54-6	Lilial	Not expected*
5989-27-5	d-Limonene	Not expected
78-70-6	Linalool	Not expected
31906-04-4	Lylal	Not expected*
111-12-6	Methyl heptine carbonate	Not expected
127-51-5	Methyl ionone alpha iso	Not expected
90028-68-5	Oakmoss	Not expected**
90028-67-4	Tree Moss	Not expected**

\* They are synthetic substances that do not occur in botanicals.

\*\* The substances are not expected to be part of the fruits of Cucumis Melo

None of the 26 identified allergen perfume compounds (Directive 2003/15 EC) have been added to the product.

The absence of any of these 26 allergens can not be confirmed, but we attest that they cannot technically occur due to the extraction process used.

The single contents are based on risk estimation which is based on botanical and phytomedicinal reference literature and conclusions by analogy.

## Hazardous & CMR Substances

We herewith confirm that, with reference to the confirmation of our raw materials suppliers, we do not add any CMR (Carcinogenic, Mutagenic, Toxic for reproduction) substances graded 1A, 1B or 2 in accordance with the Annex VI of the European Regulation 1272/2008 and its amendments to our product listed below.

Melon Liquid Fruit Extract

The product fulfils the requirement of Article 15 of the European Regulation 1223/2009 and its amendments.

Botanical preparations which contain technically unavoidable traces or impurities of plant constituents listed as CMR in the European Regulation 1272/2008 are not affected by the exclusion listed in Article 15 of the European Regulation 1223/2009.

## **Animal testing**

Our supplier confirms that since 1990, our products have not been tested on animals in order to meet the requirements of the Cosmetic Directive and we will not carry out animal tests in the future to meet the requirements of the Cosmetic Regulation.

We are aware that the individual substances that comprise our products may have been tested on animals in the past, but these tests were not carried out either by or on the request of our supplier.

Our supplier therefore confirms the compliance of our products with the Cosmetic Regulation 1223/2009 concerning the ban on testing in animals in order to meet the requirements of the Cosmetic Regulation.

### **Main actives in the plant :**

- ⇒ Minerals, vitamins
- ⇒ Sugars

**Main actives in the extract :** Not determined

### **Toxicological Data :**

We do not see any danger in using Melon Liquid Fruit Extract in cosmetic agents taking into account the application form, the concentration, the amount used and the frequency of use.

We haven't carried out clinical studies on Melon Liquid Fruit Extract, but according to literature, Propylene Glycol and Cucumis melo don't contain potentially toxic compounds and they are safe when used appropriately.

Melons are commonly used as food. No toxicological effect may be expected taking into account the application form, the concentration, the amount used and the frequency of use.

No adverse report described when preparations of melon fruit are topically applied. The literature describes food allergies caused by melon intake for people with a fructose-intolerance.<sup>(2)</sup>

#### ⇒ Human skin irritation :

Propylene Glycol : In a 24-h skin irritation test involving nude mice, there were no reactions to 10% PG.<sup>(1)</sup>  
Draize test results indicated that PG was, at most, a mild skin irritant when applied for 24 h to abraded and intact skin of rabbits. When PG was applied to the skin of guinea pigs and rabbits (guinea pigs and rabbits lack sweat glands) for 48 h using open and closed patches, no reactions were observed. The results of 48 h and 21 day open and closed patch tests involving Gottingen swine (no sweat glands) indicated no reactions to PG.<sup>(1)</sup>

#### ⇒ Mucous membrane irritation :

Propylene Glycol : Propylene glycol did not induce corneal damage in rabbits in the Draize test and was classified as a slight ocular irritant in another ocular irritation study.<sup>(1)</sup>

- ⇒ Sensitisation potential :
  - Propylene Glycol : Results were negative for 100% PG in a mouse external ear swelling sensitization test. The results of a GMPT, OET and chamber (Finn chamber) test indicated no sensitization reactions to 70% PG.<sup>(1)</sup>
- ⇒ Cytotoxicity : No data available
- ⇒ Phototoxicity : No data available
- ⇒ Mutagenicity (e.g. Ames Test) :
  - Propylene Glycol : In the Ames test, PG was not mutagenic in strains TA1535, TA1537, TA1538, TA98 and TA100 of Salmonella typhimurium with and without metabolic activation.<sup>(1)</sup>
- ⇒ Carcinogenicity :
  - Propylene glycol : Not carcinogenic <sup>(1)</sup>
- ⇒ Acute toxicity :
  - Propylene glycol : Propylene glycol is relatively harmless.  
Oral LD<sub>50</sub> = 21 g/kg body wt in rats <sup>(1)</sup>
- ⇒ Inhalation toxicity : No data available
- ⇒ Chronic toxicity : No data available
- ⇒ Reproduction toxicity :
  - Propylene glycol : PG was not teratogenic in female CD-1 mice when administered at a concentration of 10 000 ppm on days 8-12 of gestation.<sup>(1)</sup>

### **Ecological Data :**

Our product contains mainly (Propylene glycol / Water) extraction vehicle :

- ⇒ The ecological information about Propylene Glycol is :
  - Environmental toxicity :
    - LC<sub>50</sub> (fish – 96 hours ) > 54900 mg/l
    - EC<sub>50</sub> (Daphnia – 48 hours ) > 43500 mg/l
    - EC<sub>50</sub> (Algae – 78 hours ) > 19000 mg/l
  - Biodegradability : Easily biodegradable
- ⇒ Water hazard class: 1 (self classification)

### Phytopharmaceutical Data :

- ⇒ External uses : used in as an additive in lotions, tonics, milks, bath- and shower formulations
- ⇒ Contraindications : None known
- ⇒ Side effects :
- Cucumis melo: Allergic reactions to melon have rarely been reported. The most important conditions linked to melon allergy are pollen allergy.<sup>(3)</sup>  
A new melon allergen has been isolated and characterized. It is the first evidence of the involvement of this plant protein family in food allergy.<sup>(4)</sup>  
However, the heat supported concentrated fruit juice is expected to inactivate the proteinous allergens of fresh melon juice. We do not expect adverse effects of our product in topical applications.
- ⇒ Interactions: None known

### References :

- (1) CIR Report, CTFA 2006 for toxicological information regarding Propylene Glycol
- (2) Hausen / Vieluf; Allergiepflanzen, Pflanzenallergene, ecomed, 2. Aufl. 1998: Gall J. J. et al.: Soforttypallergie auf Honigmelone; Allergo J 3, 135-139 (1994). *Not available*
- (3) Figueredo E, Cuesta-Herranz J, De-Miguel J, Lázaro M, Sastre J, Quirce S, Lluch-Bernal M, De las Heras M.; Clinical characteristics of melon (Cucumis melo) allergy ;Ann. Allergy Asthma Immunol, 2003, Sept 91 (3); 303-308. *Not available*
- (4) Teresa Asensio, Jesus F. Crespo, Rosa Sanchez-Monge, Gema Lopez-Torrejon, Maria L. Somoza, Julia Rodriguez and Gabriel Salcedo, Novel plant pathogenesis-related protein family involved in food allergy; Journal of Allergy and Clinical Immunology Volume 114, Issue 4, October 2004, Pages 896-899, *Not available*

03/20

This toxicological dossier replaces the earlier ones dated 09/06, 06/09, 04/12, 10/13, 09/15

#### *Non-warranty*

The information in this publication is believed to be accurate and is given in good faith but no representation or warranty as to its completeness or accuracy is made. Suggestions for uses or applications are only opinions. Users are responsible for determining the suitability of these products for their own particular purpose. No representation or warranty, express or implied, is made with respect to information or products including without limitation warranties of merchantability or fitness for a particular purpose or non-infringement of any third party patent or other intellectual property rights including without limit copyright, trademark and designs.



Date : 16.07.2015

To whom it may concern :

### **STATEMENT**

We hereby confirm that the below mentioned product is derived from non-animal sources. We further confirms that since 1990, this product has not been tested on animals in order to meet the requirements of the Cosmetic Regulation and we will not carry out animal tests in the future to meet the requirements of the Cosmetic Regulation.

#### **Melon Liquid Fruit Extract**

This information is given in good faith with our actual knowledge. This correspondence will not be automatically updated in the future.