



## Certificate of Analysis

Product information		Batch information	
Product name	Grape Skin Extract	Batch no.	4432002
Botanical name	Vitis vinifera L.	Best Before End	May2024
Plant part	Skin		
Country of origin	P.R.CHINA		

Analysis item	Specification	Result	Analysis test method
Assay	30% Polyphenols	30.61%	UV-VIS
Organoleptic properties			
Appearance <sup>1</sup>	Fine Violet Red powder	Conform to specification	Visual
Taste	Typical to botanical	Conform to specification	Gustatory
Odor	Typical to botanical	Conform to specification	Olfactory
Physical properties			
Sieve analysis	80	Conform to specification	Mesh screen or equivalent
Moisture content	≤5%	Conform to specification	IR balance or equivalent
Ash	≤5%	Conform to specification	2g/525°C/5hrs or equivalent
Heavy metals <sup>2</sup>			
Arsenic (As)	≤ 1 ppm	Conform to specification	AA or equivalent
Cadmium (Cd)	≤ 1 ppm	Conform to specification	AA or equivalent
Lead (Pb)	≤ 3 ppm	Conform to specification	AA or equivalent
Mercury (Hg)	≤ 0.1 ppm	Conform to specification	AA or equivalent
Total heavy metals	≤ 10 ppm	Conform to specification	Colorimetry or equivalent
Microbiology			
Total plate count	≤10000cfu/g	Conform to specification	AOAC or equivalent
Yeasts & Molds	≤1000cfu/g	Conform to specification	AOAC or equivalent
Salmonella	Absent/10g	Conform to specification	AOAC or equivalent
E.Coli	Absent/1g	Conform to specification	AOAC or equivalent
Identification	Positive	Conform to specification	TLC
Additional information			
Re-test date 24 months from production date in original packaging and qualified storage conditions.			
Storage Store product in tightly sealed containers in dry and dark environment at room temperature.			
Avoid exposure to air pollution, heat, sunshine and moisture. Reclose containers tightly after use.			
<sup>1</sup> This is a natural product; color variations may appear between extraction batches due to crop, harvest and seasonal fluctuations.			
<sup>2</sup> Individual and total heavy metals are not being tested for each batch. Random analyses are being regularly performed minimum once a year.			
Before using, read, understand and comply with the information and precautions in the technical data sheets, material safety data sheets, corporate label and other product literature. The information presented herein, while not guaranteed, was prepared and tested by technical personnel and, to the best of our knowledge and belief, is true and accurate as of the date hereof. No warranty, representation or guarantee, express or implied, can be made regarding accuracy, performance, stability, reliability or use. This information is not intended to be all-inclusive, because the manner and conditions of use, handling, storage and other factors may involve other or additional safety or performance considerations. The user is responsible for determining the suitability of any material for a specific purpose and for adopting such safety precautions as may be required. Refer to material safety data sheets for specific and handling instructions. Product might be an irritant. MADAT Corporation. does not warrant the results to be obtained in using any material, and disclaims all liability with respect to the use, handling or further processing of any such material. No suggestion for use is intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patent, trademark or copyright or to violate any federal, state or local law or regulation. This document is the property of MADAR Corporation. Document must be returned by receiver upon request. The information contained herein is confidential and may not be copied, shown, or otherwise disclosed, directly or indirectly, to any person not subject to a MADAR Corporation supply contract or confidentiality and nondisclosure agreement without the express, written consent of MADAR Corporation.			



## Allergen Information

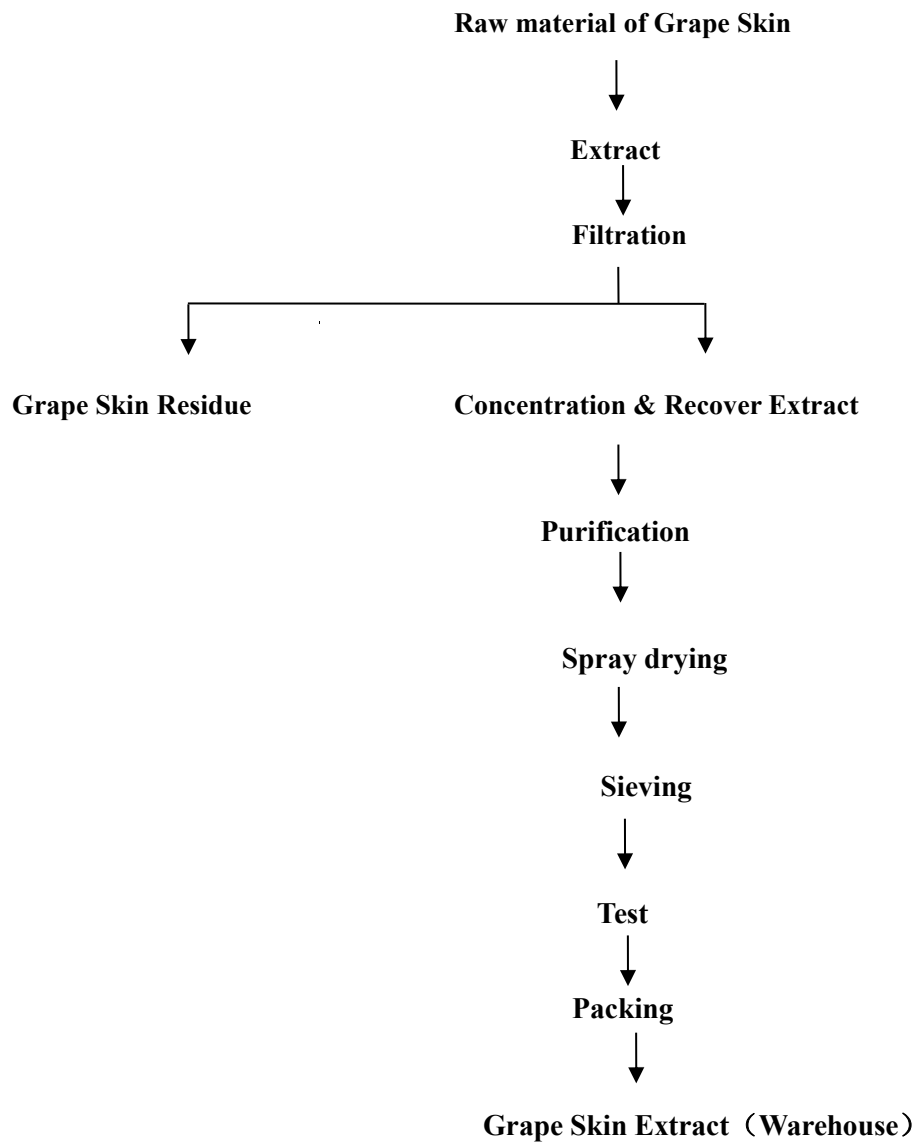
**PRODUCT TRADE NAME:** Grape Skin Extract

**SUPPLIER/MANUFACTURER NAME (Underline applicable):** Madar Corporation

Component	Present in the product	Present in other products manufactured on the same line	Present in the same manufacturing plant
Peanut (and/or its derivatives,) e.g., protein oil	No	No	No
Tree Nuts (and derivatives)	No	No	No
Sesame Seeds (and derivatives)	No	No	No
Dairy Products (Lactose, Milk, Casein, Whey)	No	No	No
Coconut / Palm Fruit	No	No	No
Eggs	No	No	No
Fish	No	No	No
Shellfish	No	No	No
Soy (and derivatives)	No	No	No
Wheat	No	No	No
Corn	No	No	No
Sulphites (ppm level)	No	No	No
Gluten	No	No	No
Tartrazine			



## Process Flow Chart of Grape Skin Extract





## **GMO Statement**

PRODUCT NAME: GRAPE SKIN EXTRACT

MADAR Corporation Limited can confirm that the above listed product is GMO Free.

28/06/2019



## Material Safety Data Sheet of Grape Skin Extract

### Product Name : Grape Skin Extract

- 1. 1 Chemical Properties with typical properties of Vitis vinifera Skin
- 1. 2 Form : Fine Powder
- 1. 3 Color : Purple Red
- 1. 4 Odor : Characteristic

### 2 Physical Properties

- pH Value /
- Melting point /
- Boiling Point /
- Igniting point /
- Flash Point /
- Explosion Point /
- Density /
- Solubility Good solubility in grain Alcohol solution

### 3 Transport information

Far from away humidity, sunshine, high-temp., and acidic, alkaline substance.

### 4 Stability and Reactivity

- 4. 1 Condition to be avoided Humidity, sunshine, high-temp.
- 4. 2 Substances to be avoided Acidic, alkaline substance
- 4. 3 Hazardous decomposition Acid, base

### 5 Protection, handling and storage

- 5. 1 Safety technical measure:  
Far away from fire, humid
- 5. 2 Personal Equipment
  - Respiratory Protection: to use respirator when mesh the powder.
  - Eye Protection : to use special glasses when mesh the powder.
  - Hand protection: no need special protection measure, when contact hands, use water to wash.
  - Other Information: no more available
- 5. 3 Industrial Hygiene  
To avoid the powder contact eye and respiratory system.
- 5. 4 Explosion and fire fighting measures  
Use quantity water
- 5. 5 Disposal condition  
Disposal properly
- 6 Accidental release measures/Fire fighting measures
  - 6. 1 Accidental release measures  
Washing up the attached area with water
  - 6. 2 Suitable extinguishing media
  - 6. 3 First aid measures  
In case of eye and skin contacted: rinse out with water
  - 6. 4 Other information  
No more information available.

### 7 Toxicological information

Grape Skin Extract high safety coefficient. It belongs to actual non-toxicity determined by acute toxicity experiment.

### 8 Ecological Information

No ecological problems are to be expected when the product is handled and used with care and attention.

### 9 Other Information

No more information available.



## Product Specification

### Grape Skin Extract

Botanical name	Vitis vinifera L.
Product code	HEGRAPSKIN
Plant part	Skin
Country of origin	P.R.CHINA

#### Physical and Chemical Properties

Appearance	Violet Red, FINE POWDER	Visual
Taste	Typical to botanical	Gustatory
Odor	Typical to botanical	Olfactory
Sieve analysis	90% pass 80 mesh	Mesh screen
Moisture	≤5%	IR balance
Acid content	≤5%	2g/525°C/5hrs

#### Packaging | Storage

Storage	Cool, dry, dark, airtight environment. Storage of products at room temperature Keep away from sunshine and moisture Reclose packaging tightly after use
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Re-test date	24 months after manufacture date in original packaging and advised storage condition
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#### Microbiology

Total plate count	≤10000cfu/g	AOAC
Yeasts & Molds	≤1000cfu/g	AOAC
Salmonella	Absent/10g	AOAC
E.Coli Sterilization	Absent/1g	AOAC
method	High Temperature & High Pressure Short time (5" - 10")	

#### Heavy metals<sup>2</sup>

Arsenic (As)	≤ 1 ppm	AA or equivalent
Cadmium (Cd)	≤ 1 ppm	AA or equivalent
Lead (Pb)	≤ 3 ppm	AA or equivalent
Mercury (Hg)	≤ 0.1 ppm	AA or equivalent
Total heavy metals	≤ 10 ppm	Colorimetry or eq.

Identification	Positive	TLC
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Composition		
Assay	30% Polyphenols	UV-VIS

1 This is a natural product; color variations may appear between extraction batches due to crop, harvest and seasonal fluctuations.

2 Individual and total heavy metals are not being tested for each batch. Random analyses are being regularly performed minimum once a year.

3 Packaging, storage and Re-test date can differ upon customer or quantity requirements or special product features

#### Disclaimer

Before using, read, understand and comply with the information and precautions in the technical data sheets, material safety data sheets, corporate label and other product literature. The information presented herein, while not guaranteed, was prepared and tested by technical personnel and, to the best of our knowledge and belief, is true and accurate as of the date hereof. No warranty, representation or guarantee, express or implied, can be made regarding accuracy, performance, stability, reliability or use. This information is not intended to be all-inclusive, because the manner and conditions of use, handling, storage and other factors may involve other or additional safety or performance considerations. The user is responsible for determining the suitability of any material for a specific purpose and for adopting such safety precautions as may be required. Refer to material safety datasheets for specific and handling instructions. Product might be an irritant. Madar Corporation does not warrant the results to be obtained in using any material, and disclaims all liability with respect to the use, handling or further processing of any such material. No suggestion for use is intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patent, trademark or copyright or to violate any federal, state or local law or regulation.



## **Vegetarian & Vegan Suitability Statement**

PRODUCT NAME: GRAPE SKIN EXTRACT

MADAR Corporation Limited can confirm that the above listed product has not been tested in animals and does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.

28/06/19



## Ingredient List

**Product Name: Grape Skin Extract 30% Polyphenols**

Ingredient	Composition
Polyphenols	30.32%
Water	3.68%
Other Cordyceps Sinensis botanical substances	66%





## **Statement of Methyl Eugenol**

**PRODUCT NAME: Grape Skin Extract**

This is to certify that the above-mentioned product does not contain Methyl Eugenol.

03/03/20



## **Proposition 65 Statement**

**PRODUCT NAME: Grape Skin Extract**

This is to certify that the above-mentioned product is using the water don't contain any substances known to cause cancer, birth defects or other reproductive hazards, and conform to the regulation of Proposition 65

03/03/20