



## Certificate of Analysis

**Product Name** Hibiscus Extract  
**Latin Name** *Hibiscus mutabilis* Linn.  
**Plant Part Used** Flower (Dried, 100% Natural)

**Batch Number** 4396904  
**Active Ingredient Markers** /  
**Country of Origin** P. R. China

Analysis Items	Specifications	Results	Test Methods
<b>Organoleptic</b>			
Appearance & Color	Fine brown to light brown yellow powder	Conforms	Visual
Odor & Taste	Characteristic	Conforms	Organoleptic
Solubility	Soluble in water	Conforms	Visual
<b>Physical Characteristics</b>			
Mesh Size	NLT 90% through 80 mesh	Conforms	80 Mesh Screen
Moisture Content	NMT 8.0%	Conforms	GB.5009.3
Ash Content	NMT 10.0%	Conforms	GB.5009.4
<b>Heavy metals</b>			
Total Heavy Metals	NMT 20ppm	Conforms	CP2015
Arsenic (As)	NMT 2ppm	Conforms	GB.5009.11
Lead (Pb)	NMT 2ppm	Conforms	GB.5009.12
<b>Microbiological Tests</b>			
Total Plate Count	NMT 10,000cfu/g	Conforms	GB.4789.2
Total Yeast & Mold	NMT 1000cfu/g	Conforms	GB.4789.15
E. Coli	Negative	Conforms	GB.4789.38
Salmonella	Negative	Conforms	GB.4789.4
Staphylococcus	Negative	Conforms	GB.4789.10
<b>Packing and Storage</b>	Packed in sealed aluminum foil bags lined with plastic seal or sealed double plastic bags. Store in a well-closed container away from moisture.		
Best before End	May 2023		



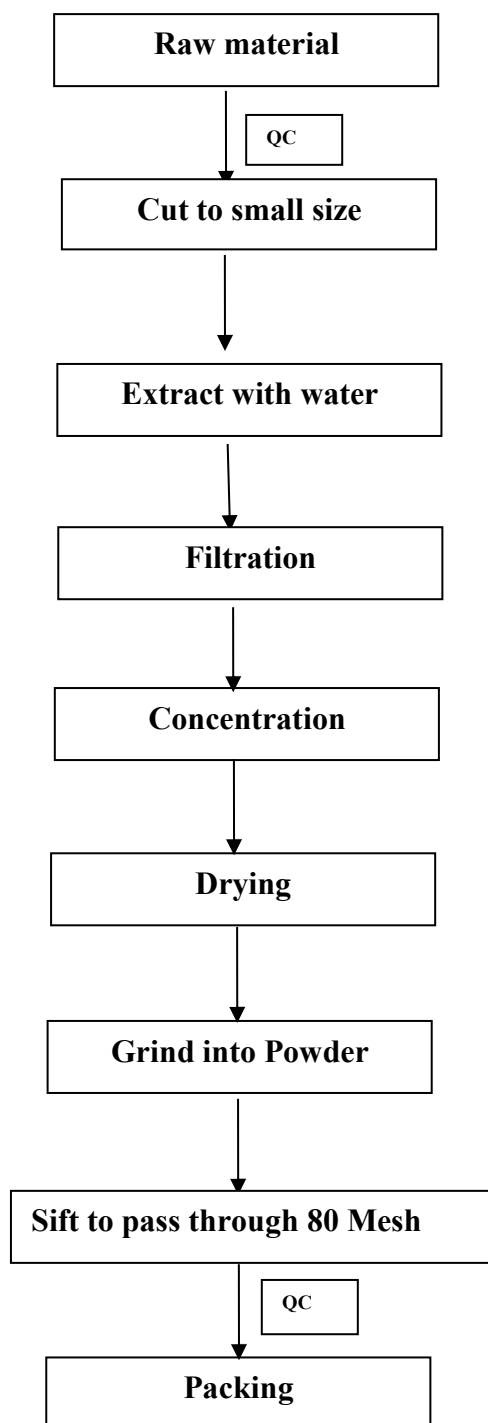
## Allergen Statement

**Product:** Hibiscus Extract 4:1

Reference:

Category of food allergen	Presence (Yes / No)	Comment
Celery (deleriac) and derivatives	No	
Egg's and derivatives	No	
Milk and derivates	No	
Peanut and derivates	No	
Soybean / Soya bean and derivatives	No	
Sulfites (concentration > 10 mg/kg)	No	
Wheat (gluten)	No	
Dairy(lactose) and derivatives	No	
Seafood and derivatives	No	
Sesame and derivatives	No	
Treenuts and derivatives	No	
Crustaceans and derivatives	No	
fish and derivatives	No	
Molluscs and derivatives	No	
Lupin and derivatives	No	
Mango and derivatives	No	
Mustard and derivatives	No	
Kiwi and derivatives	No	

## Manufacturing Process Sketch of Hibiscus Extract 4:1





## **NON-GMO CERTIFICATE**

WE, MADAR CORPORATION LIMITED, CERTIFY THAT THE PRODUCT LISTED BELOW IS 100%  
NATURAL HERBAL EXTRACT POWDER AND GMO FREE:

HIBISCUS EXTRACT 4:1

01/02/19



## Material Safety Data Sheet

<b>Company: Madar Corporation</b>	
<b>Product Name: Hibiscus Extract 4:1</b>	
1.1	<b>Chemical Properties</b> :with typical properties of hibiscus flower
1.2	<b>Form</b> :Fine powder
1.3	<b>Color</b> : Fine brown to light brown yellow powder
1.4	<b>Odor</b> :Characteristic
2.	<b>Physical Properties</b> PH Value N/A Melting point N/A Boiling Point N/A Igniting point N/A Flash Point N/A Explosion Point N/A Bulk Density 0.4-0.8g/ml Solubility Soluble in water
3.	<b>Transport information</b> Far from away humidity, sunshine, high-temp., and acidic, alkaline substance.
4.	<b>Stability and Reactivity</b> 4.1. <b>Condition to be avoided</b> Humidity, sunshine, high-temp. 4.2. <b>Substances to be avoided</b> Acidic, alkaline substance 4.3. <b>Hazardous decomposition</b> Acid, base.



## **5. Protection, handling and storage**

### **5.1. Safety technical measure:**

Far away from fire, humidity and other hazardous chemicals

### **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**

**Hibiscus Extract 4:1** has high safety coefficient. It belongs to actual nontoxicity 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.



## Specification Sheet

<b>Product Name</b>	<b>Hibiscus Flower Extract</b>	<b>Plant Part Used</b>	<b>Flower ((Dried, 100% Natural)</b>
<b>Specification</b>	<b>4:1</b>	<b>Active Ingredient Markers</b>	/
<b>Latin Name</b>	<i>Hibiscus mutabilis</i> Linn.	<b>Country of Origin</b>	P. R. China

Analysis Items	Specifications	Test Methods
<b>Organoleptic</b>		
Appearance & Color	Fine brown powder	Visual
Odor & Taste	Characteristic	Organoleptic
Solubility	Partially soluble in water	Visual
<b>Physical Characteristics</b>		
Mesh Size	NLT 90% through 80 mesh	80 Mesh Screen
Moisture Content	NMT 8.0%	GB/T 5009.3
Ash Content	NMT 10.0%	GB/T 5009.4
<b>Heavy metals</b>		
Total Heavy Metals	NMT 20ppm	CP2015
Arsenic (As)	NMT 2ppm	Atomic Absorption
Lead (Pb)	NMT 2ppm	Atomic Absorption
<b>Microbiological Tests</b>		
Total Plate Count	NMT 10,000cfu/g	GB.4789.2
Total Yeast & Mold	NMT 1000cfu/g	GB.4789.15
E. Coli	Negative	GB.4789.3
Salmonella	Negative	GB.4789.4
Staphylococcus	Negative	GB.4789.10
<b>Packing and Storage</b>	Packed in sealed aluminum foil bags lined with plastic seal or sealed double plastic bags. Store in a well-closed container away from moisture.	
Shelf Life	2 years if sealed and store away from direct sun light.	



## VEGAN CERTIFICATE

WE, MADAR CORPORATION LIMITED, CERTIFY THAT THE PRODUCT LISTED BELOW IS  
100% NATURAL HERBAL EXTRACT POWDER AND SUITABLE FOR VEGETARIANS AND  
VEGANS:

HIBISCUS EXTRACT 4:1

01/02/19