

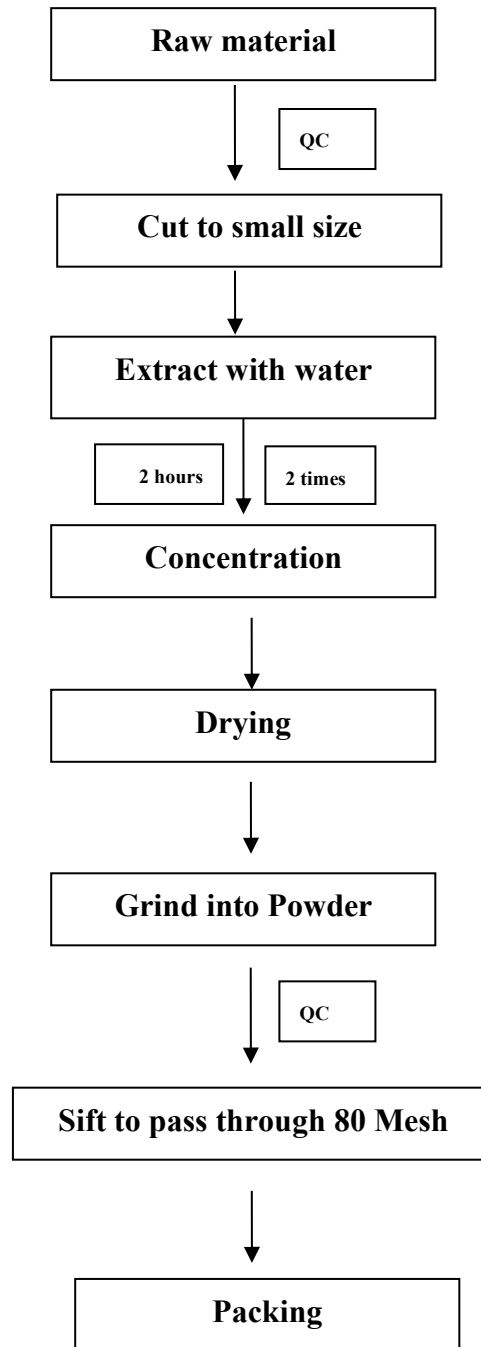


## Certificate of Analysis

<b>Product Name</b>	<b>Wild Yam Extract</b>	<b>Batch Number</b>	<b>4347208</b>
<b>Specification</b>	4:1	<b>Best Before End</b>	January 2021
<b>Plant Part Used</b>	<i>Dioscorea opposita Thunb.</i>	<b>Manufacture Date</b>	January 2019
<b>Plant Part Used</b>	Root (Dried, 100% Natural)	<b>Country of Origin</b>	P. R. China

Analysis Items	Specifications	Results	Test Methods
<b>Organoleptic</b>			
Appearance & Color	Fine brown powder	Conforms	Visual
Odor & Taste	Characteristic	Conforms	Organoleptic
Solubility	Partially 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	GN.5009.74
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>Storage</b>			
	Store in a well-closed container away from moisture.		
Shelf Life	2 years if sealed and store away from direct sun light.		

## Manufacturing Process Sketch of Wild Yam Extract 4:1





## **STATEMENT**

WE, MADAR CORPORATION LTD STATE THAT THE WILD  
YAM EXTRACT 4:1 IS 100% NATURAL HERBAL  
EXTRACT POWDER, IS GMO FREE AND SUITABLE FOR  
VEGAN AND VEGETARIANS.



## Material Safety Data Sheet

<b>Company: Madar Corporation</b>	
<b>Product Name: Wild Yam Extract 4:1</b>	
1.1	<b>Chemical Properties</b> :with typical properties of wild yam root
1.2	<b>Form</b> :Fine powder
1.3	<b>Color</b> : Fine brown powder
1.4	<b>Odor</b> :Characteristic
<b>2. 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	Partially soluble in water
<b>3. Transport information</b>	
Far from away humidity, sunshine, high-temp., and acidic, alkaline substance.	
<b>4. Stability and Reactivity</b>	
<b>4.1. Condition to be avoided</b>	
Humidity, sunshine, high-temp.	
<b>4.2. Substances to be avoided</b>	
Acidic, alkaline substance	
<b>4.3. 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**

**Wild Yam 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>	Wild Yam Extract	<b>Plant Part Used</b>	Root (Dried, 100% Natural)
<b>Specification</b>	4:1	<b>Active Ingredient Markers</b>	/
<b>Latin Name</b>	<i>Dioscorea opposita Thunb.</i>	<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.5009.3
Ash Content	NMT 10.0%	GB.5009.4
<b>Heavy metals</b>		
Total Heavy Metals	NMT 20ppm	CP 2015
Arsenic (As)	NMT 2ppm	GB.5009.11
Lead (Pb)	NMT 2ppm	GB.5009.12
<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.	