

Certificate of Analysis

| Product information | |
|---------------------|-------------------|
| Product name | Cucumber Extract |
| Botanical name | Cucumis sativus L |
| Product code | HECUCU |
| Plant part | Fruit |
| Country of origin | P.R.CHINA |

| Analysis item | Specification | Result | Analysis test method |
|---------------------------|--------------------------------------------------------|--------------------------|-----------------------------|
| Ratio | 10 to 1 | | |
| Organoleptic properties | | | |
| Appearance ¹ | Fine Brownish Yellow 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 | 90% pass 80 mesh | 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 ² | | | |
| 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 |
| Sterilization method | High Temperature & High Pressure Short time (5" - 10") | | |
| 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.

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.

This datasheet is in compliance with USA and EU food regulations.

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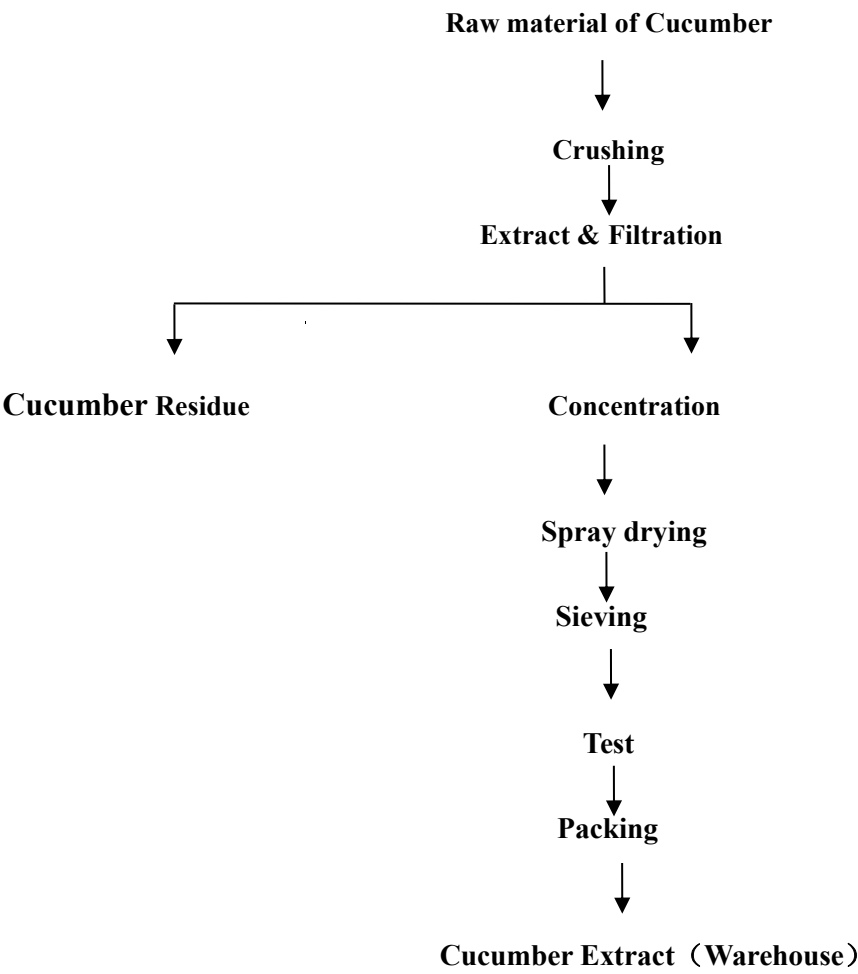
Allergens

PRODUCT TRADE NAME: Cucumber Extract

SUPPLIER/MANUFACTURER NAME (Underline applicable): YouWish

| 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 Cucumber Extract



GMO Statement

PRODUCT NAME: CUCUMBER POWDER

YouWish can confirm that the above listed product is GMO Free.

28/06/2019

Material Safety Data Sheet

1. IDENTIFICATION OF SUBSTANCE/COMPANY

Product Name: **Cucumber Powder**
Company Name: YouWish
Venserweg 21m
1112AR Diemen
The Netherlands
Telephone Number: +31 20 7867784
Fax Number:

2. HAZARDS IDENTIFICATION:

No hazards identified under regulation 67/548/EEC.

Reach Registration: Exempt as per Annex VI and V according to EU Regulation 1907/2006

This product does not belong to any list of substances supposedly hazardous to human or animal health according to EU Regulation 1272/2008 and further amendments, not to those having recognised exposition limits. Care should be taken when handling hot oil as it may constitute a burn hazard. Spills constitute a slippage hazard.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Inci Name: ***Cucumis Sativus Powder***
Chemical Composition: Cucumber powder is a extraction using the outer rind of the Cucumis Sativus fruit
CAS No: 89998-01-6
EINECS No: 289-738-4

4. FIRST-AID MEASURES

Inhalation: Not expected, but in case of need remove from exposure site to fresh air. Keep at rest. Seek medical advice.
Skin Contact: No measures, being a non-toxic product, in case any symptoms appear, remove contaminated clothes. Cover wash with water and soap; cover the irritated skin with emollient – may need to seek medical advice.
Eye Contact: Check for and remove lenses. Flush with water for at least 15 minutes. Contact a doctor if symptoms persist.
Ingestion: Generally, first aid is not necessary. Seek medical attention in case of any adverse effects.
Other: When assessing action take Risk & Safety Phrases into account (Section 15).

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use CO2, Dry Powder or Foam type Extinguishers,
Spraying Recommended: Extinguishing media to base of flames. Do not use direct water jet on burning material.
Special Measures: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.
Extinguishing Procedures: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. ACCIDENTAL RELEASE MEASURES:

| | |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal Precautions: | No special precautions required. |
| Environment Precautions: | No special precautions required. |
| Cleaning Up Methods: | Remove all potential ignition sources. Contain spilled material with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations. |

7. HANDLING AND STORAGE

| | |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions in Handling: | Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. |
| Storage Conditions: | In well filled and closed container protected from light at a temperature not exceeding 25°C. |
| Fire Protection: | Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area. |

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

| | |
|--------------------------|------------------------------------------------|
| Respiratory Protection: | No special measures under normal conditions. |
| Ventilation: | No special measures under normal conditions. |
| Hand Protection: | No special measures under normal conditions. |
| Eye Protection: | Use safety glasses. |
| Work/ Hygiene Practices: | Wash hands with soap and water after handling. |

9. PHYSICAL DATA AND CHEMICAL PROPERTIES:

| | |
|--------------------------|------------------------|
| Appearance: | Fine Powder |
| Colour: | Light Green |
| Odour: | Faint vegetable odor |
| Oxidizing Properties: | Avoid exposure to air. |
| Flash Point °C: | > 600 |
| Flammability: | Avoid open flame. |
| Melting Point/ Range °C: | 30 - 36 |
| Specific Gravity @ 50°C: | 0.89 |

10. STABILITY AND REACTIVITY:

| | |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity: | It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong alkali, acid or oxidising agents. |
| Decomposition: | Liable to cause smoke and acrid fumes during combustion; carbon monoxide, carbon dioxide and non-identified organic compounds may be formed. |

11. TOXICOLOGICAL INFORMATION:

Vegetable powder of natural origin. Non-toxic product.

12. ECOLOGICAL INFORMATION:

| | |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Biodegradability: | > 90% (OECD) This product is unlikely to accumulate in the environment and environmental problems under normal use conditions are not expected |
| Precautions: | Prevent surface contamination of soil, ground and surface water. |

13. DISPOSAL CONSIDERATIONS:

When possible recover spilled product. When product must be discarded, do so into an authorised dump or recycling service station. Act in accordance with local and national regulations

14. TRANSPORT INFORMATION

Road (ADR/ RID): N/a
Air (IATA): N/a
Sea (IMDG): N/a
CHIP: See section 15
NDPA Ratings: Health: 0, Flammability: 1, Reactivity: 0, Personal protection: A

15. REGULATORY INFORMATION:

Hazards: N/a
Symbols: N/a
Risk Phrases: N/a
Safety Phrases: S25 Avoid contact with eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention
S 39 Wear eye protection

16. OTHER INFORMATION

Cosmetics Directive 7th Amendment: Not restricted

Packaging:

| Type | Suitability |
|----------------------------|-------------|
| Glass | Yes |
| Lacquered lined steel/ tin | Yes |
| Aluminium | Yes |
| HPPE | Yes |
| F/HDPE | Yes |
| Other Plastic | Yes |

Revision date 26-Nov-13

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Material 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 guide 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.

Product Specification

Cucumber Powder

| | |
|-------------------|-------------------|
| Botanical name | Cucumis sativus L |
| OHI product code | C027.R01000 |
| Plant part | Fruit |
| Country of origin | P.R.CHINA |

Physical and Chemical Properties

| | | |
|-------------------------|------------------------------|---------------|
| Appearance ¹ | Brownish Yellow, FINE POWDER | Visual |
| Taste | Typical to botanical | Gustatory |
| Odor | Typical to botanical | Olfactory |
| Sieve analysis | 80 | Mesh screen |
| Moisture | ≤5% | IR balance |
| Residue | ≤5% | 2g/525°C/5hrs |

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") | |

Packaging | Storage³

| | |
|--------------|--------------------------------------------------------------------------------------|
| Packaging | Carton drum inner double layer plastic bag |
| Storage | Cool, dry, dark, airtight environment. |
| | Storage of products at room temperature |
| | Keep away from sunshine and moisture |
| | Reclose packaging tightly after use |
| Re-test date | 24 months after manufacture date in original packaging and advised storage condition |

Heavy metals²

| | | |
|--------------------|-----------|--------------------|
| 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 |

Additional product information

| | |
|-------------|---------|
| Composition | |
| Ratio | 10 to 1 |

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

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Refer to material safety data sheets for specific and handling instructions. This product might be an irritant. **YouWish** 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 **YouWish**.

Vegetarian & Vegan Suitability Statement

PRODUCT NAME: CUCUMBER POWDER

YouWish 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