



25 July 2019

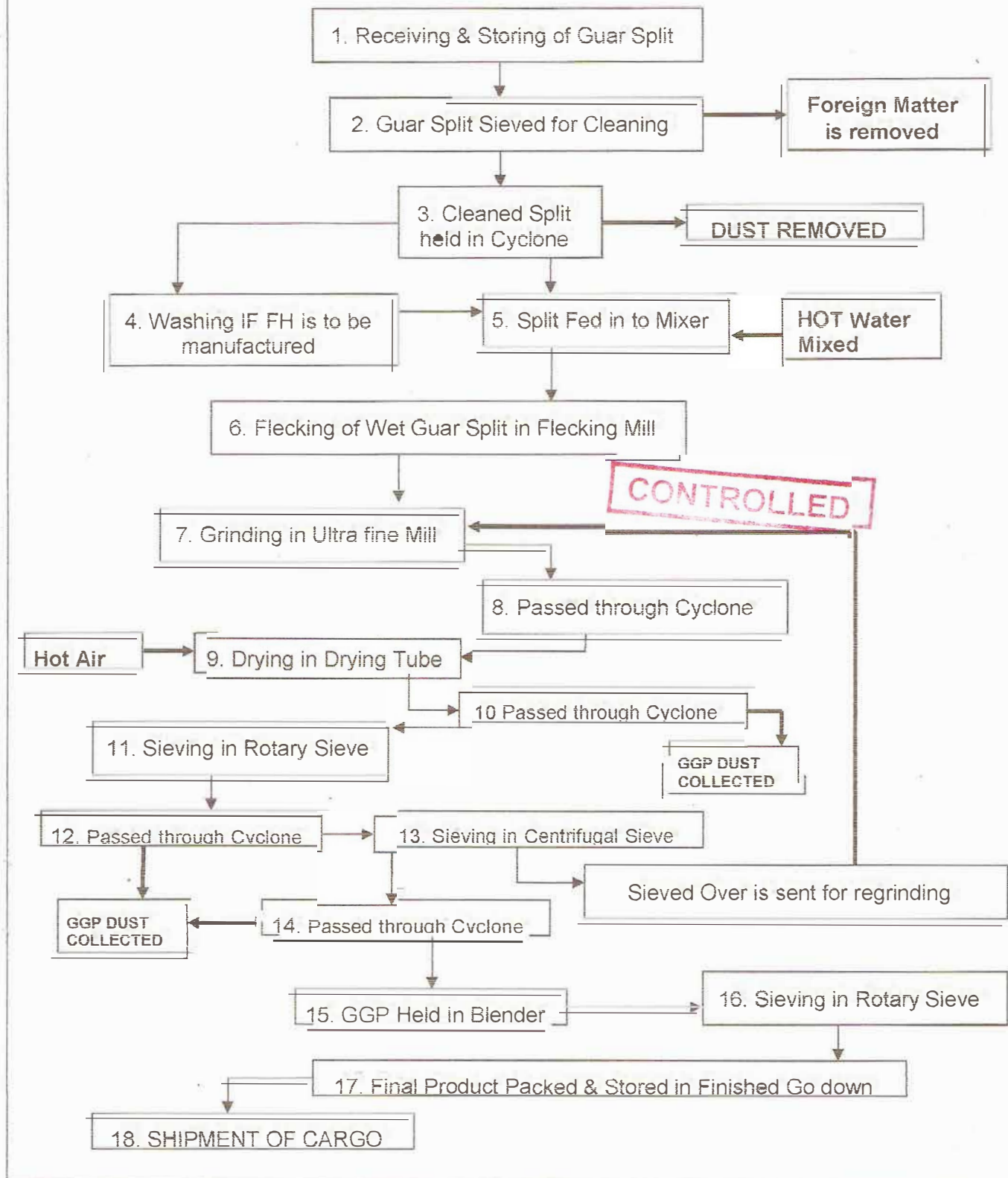
To Whom It May Concern:

This is to state that Guar Gum Powder being supplied by Ekokoza s.r.o. is free from Allergens.

This certificate is valid up to 24 July 2020



PRODUCT PROCESS / MATERIAL FLOW CHART



Ekokoza s.r.o.

Fryčovice 297, 73945, Fryčovice

IČ: 07508247, eshop@ekokoza.cz, +420605779993



Certificate

This is to certify that Guar (Cyamopsis tetragonoloba) used for the preparation of powder is a local crop grown by farmers of Rajasthan State & this crop is not Genetically modified.

16/06/2022



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name : Guar Gum Powder / Supreme Guar Gum
Intended Use : Food Industry
Company Name : Ekokoza s.r.o., IČ:07508247
Fryčovice 297, 73945 Fryčovice
eshop@ekokoza.cz, +420605779993

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Carbohydrate

3. HAZARDS IDENTIFICATION

Does not involve any risk as classified from Risk Class 1 to Risk Class 9

4. FIRST AID MEASURES

General Information: Remove contaminated clothing and dispose of safety skin, Contact, in case of contact with skin, wash properly with soap and water.

Eye Contact: Rinse thoroughly with plenty of fresh water and seek medical advice.

Ingestion: If accidentally swallowed, obtain medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing media: Foam, Carbon Di-oxide, Dry Power.

Special protective equipment for fire fighting: Use self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up: Dry powder clean with broom or vacuum cleaner.

7. HANDLING AND STORAGE

Handling: No special measures necessary.

Storage: Should be stored packed in dry atmosphere, at normal temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hygiene measure: keep away from foodstuffs and beverages, wash hands before breaks and after work, apply skin cream.

Hand Protection: Wear protective gloves.

Eye Protection: Safety Glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Dry Power

Color: Creamish Yellow.

Odour: Bean like.

10. STABILITY AND REACTIVITY

Thermal decomposition > 500 C

Hazardous reactions: None

Hazardous decomposition products: None.

11. TOXICOLOGICAL INFORMATION

None

12. ECOLOGICAL INFORMATION

Data not available

13. DISPOSAL CONSIDERATIONS

Product: In accordance with current regulations may be taken to waste disposal site or incineration plant after consultation with responsible authority.

Nouzové telefonní číslo: +420224919293 , +420224915402 (telefon 24hod/
denně) Toxikologické informační středisko, Na Bojišti 1, 128 08 Praha2)

Ekokoza s.r.o.

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Uncleaned Packaging: contaminated packaging should be emptied as far as possible.

14. **TRANSPORT INFORMATION**

Road Transport

ADR: Non Hazardous goods

RID: Non Hazardous goods

Inland Waterways Transport

ADNR: Non Hazardous Goods

Marine Transport

IMDG/UN : Non Hazardous Goods.

Air Transport

ICAO/IATA-DGR: Non Hazardous goods.

Dispatch by Post: Permitted

15. **REGULATORY INFORMATION**

Non-inflammable, non hazardous, soluble in water.

16. **OTHER INFORMATION**

This information is based on our present state of knowledge. It must should not therefore be construed as guaranteeing specific properties of the product described or their suitability for a particular application.



SPECIFICATION

Guar Gum 200-3500 cps

DESCRIPTION

| | |
|-------------------|---|
| Description | Guar Gum powder extracted from the endosperm of guar seed (Cyamopsis tetragonolobus). It is a fine white to cream coloured powder with no chemical additives. It has low microbiological profile as the raw materials are processed under controlled and hygienic conditions. |
| Uses | Used as a stabilizing, binding and thickening agent especially suitable for the food and pharma products. |
| Appearance | White to cream coloured fine powder |
| Odour | Neutral characteristic |
| Packaging | Multi-walled paper bag 25 kg |
| Shelf life | 24 months |
| Country of origin | India |

SPECIFICATIONS

| | |
|---|------------------------------|
| Solubility in Water | Soluble in water |
| Taste | Neutral characteristic |
| Mesh Size (Retained on 200 mesh) | Max 10 % |
| Viscosity (1% Solution;cps) Brookfield | Min 3500 % cps |
| RVT at 25°C, 20 RPM Cold Viscosity | |
| 2hrs) | |
| Assay (Galactomannans content) | Min 75 % |
| Loss on drying (5 hr, 105°C) | Max 15 % |
| Ash (5 hr 800°C) | Max 1.5 % |
| Protein (N-content x 6.25) | Max 10 % |
| Acid Insoluble Matter | Max 7 % |
| Starch | Absent |
| pH (1% solution in distilled water at 25°C) | 5 - 7 |
| Organic Peroxides | Max 0.7 meq active oxygen/kg |
| Furfural | Max 1 mg/kg,ppm |
| Pentachlorophenol | Max 0.01 mg/kg,ppm |
| Mercury | Max 1 mg/kg, ppm |
| Arsenic | Max 3 mg/kg,ppm |
| Lead | Max 2 mg/kg,ppm |
| Cadmium | Max 1 mg/kg,ppm |

MICROBIOLOGICAL

| | |
|-------------------|-----------------|
| Total plate count | Max 5000 cfu/gm |
| Yeasts & Moulds | Max 500 cfu/gm |
| Escherichia Coli | Absent |
| Salmonella | Absent |

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STATEMENT

GMO STATEMENT

According to the supplier, this product does not contain any genetically modified ingredients or processing aids.

BSE/TSE Statement

According to the supplier, this product does not contain BSE or TSE.

DIETARY

Suitable

| | |
|---|-----|
| Vegetarian | YES |
| Vegans | YES |
| Orthodox Jewish Diet (Kosher Certified) | YES |
| Muslim Diet (Halal Certified) | YES |

Exclusion of Liability

Information contained in this document is accurate to the best of knowledge and beliefs of Direct Food Ingredients. However, it remains at all time the responsibility of the customer to ensure that Direct Food Ingredients materials are suitable and meet the regulations for the particular purpose intended. Direct Food Ingredients accepts no liability whatsoever (except as otherwise provided by law) arising out of the use of information supplied.



27 March 2017

To Whom It May Concern:

This is to state that Guar Gum Powder being supplied by Ekokoza s.r.o. is suitable for consumption by vegans.