



## Certificate of Analysis/Conformance

<b>Product</b>	Xanthan 200 mesh
<b>Batch number</b>	4411805
<b>Best before end</b>	October 2022
<b>Appearance</b>	Conforms
<b>Odour and taste</b>	Conforms
<b>pH (1% sol.)</b>	6.29
<b>Loss on drying %</b>	9.15
<b>Total ash %, on dried basis</b>	6.15
<b>Viscosity ops, (1% KCl)</b>	1460
<b>Particle size through 200mesh</b>	95
<b>Assay %, on dried basis</b>	100
<b>Pyruvic acid %</b>	3.5
<b>Nitrogen %</b>	0.75
<b>V1:V2</b>	1.04
<b>Solubility</b>	Conforms
<b>Ethanol and propan-2-ol ppm</b>	303
<b>Arsenic</b>	Conforms
<b>Lead</b>	Conforms
<b>Total plate count p/g</b>	200
<b>Yeast and moulds p/g</b>	<100
<b>E. coli p/5g</b>	Negative
<b>Salmonella p/10g</b>	Negative
<b><i>Xanthomonas campestris</i></b>	Conforms

This document is to certify that the above-mentioned goods comply with the agreed product specifications. The details given are to the best of our knowledge. Results may be based on analysis conducted by an approved supplier.



## Allergen Declaration

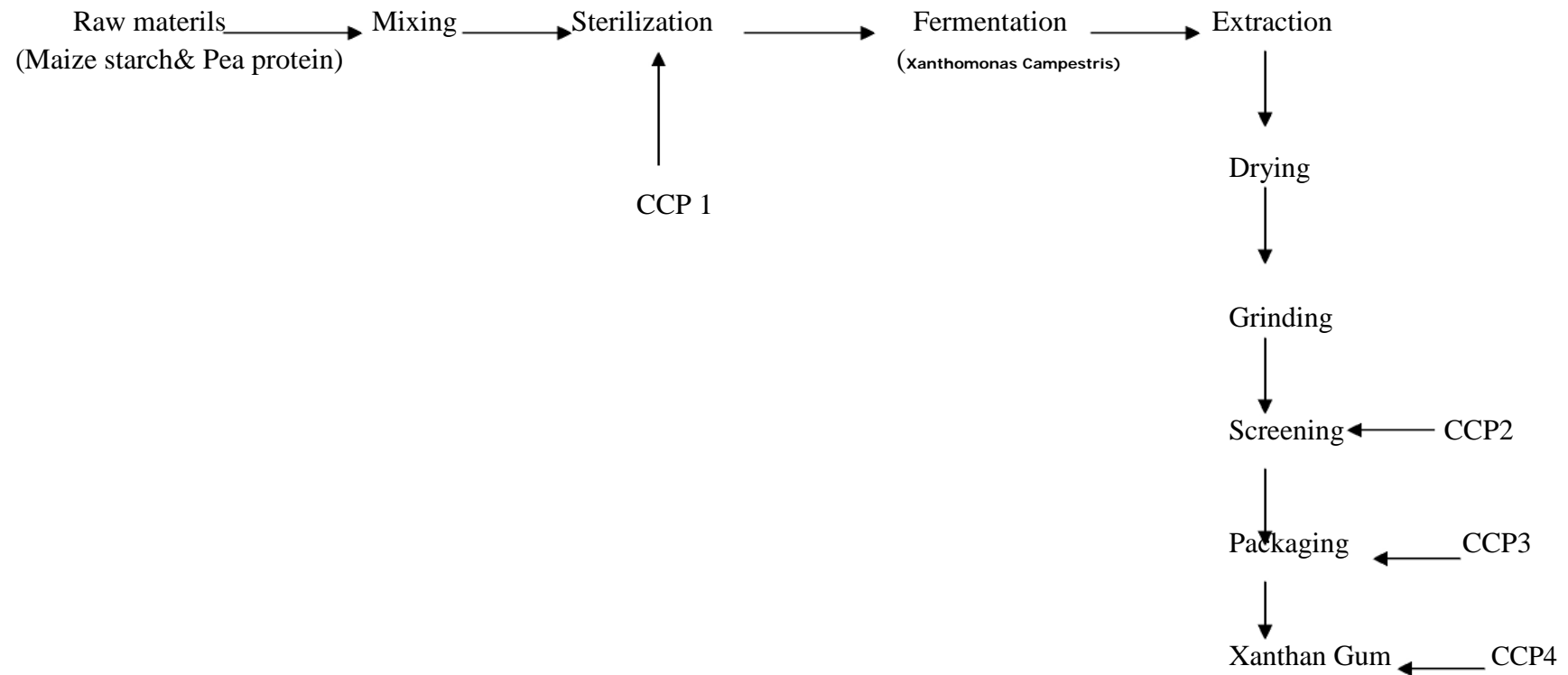
Product Name: XANTHAN GUM

Revised date: OCT.12.2019

Allergen	Present in Product		Present on same line		Present in Facility	
	Yes	No	Yes	No	Yes	No
Dairy products – milk, etc.		X		X		X
Dairy Derivatives		X		X		X
Egg products or derivatives		X		X		X
Wheat products		X		X		X
*Corn products		X		X		X
Rye products		X		X		X
Barley products		X		X		X
Oat products		X		X		X
*Soy products		X		X	X	
*Safflower products		X		X		X
*Sunflower products		X		X		X
*Peanut products		X		X		X
*Tree Nut & nut derivatives		X		X		X
Monosodium glutamate		X		X		X
Hydrolyzed animal protein		X		X		X
Hydrolyzed plant protein		X		X		X
Autolyzed yeast/yeast ext		X		X		X
Sulfites		X		X		X
BHA		X		X		X
BHT		X		X		X
Tocopherols		X		X		X
TBHQ		X		X		X
Crustaceans (shrimp, lobster, etc)		X		X		X
Fish/shell fish products		X		X		X
Beef & beef derivatives		X		X		X
Pork & pork derivatives		X		X		X
Chocolate/choco derivatives		X		X		X
FD&C colors		X		X		X
3-MCPD (MPC/DCP)		X		X		X
Alcohol		X		X		X
Celery		X		X		X
Lupin		X		X		X
Molluscs		X		X		X
Sesame		X		X		X
Mustard		X				X

Jan.10, 2017

## PROCESS FLOW CHART





## **GMO Statement**

PRODUCT NAME: Xanthan Gum

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

16/09/2020

## 1. Identification of the substance/preparation and of the company

### Product details

<b>Trade name</b>	<b>Xanthan Gum powder</b>
Application of the substance/the preparation	Food additive (thickening agent)
Company information	Madar Corporation Limited
Distributor	19 -20 Sandleheath Industrial Estate Fordingbridge SP6 1PA 01425 655555
Telephone	
Telefax	
Contact for technical information	
E-Mail:	Technical@madarcorporation.co.u
Emergency information:	

## 2. Hazards identification

Classification of the substance/the preparation	not applicable
Characterization acc. to regulation (EG) Nr. 1272/2008	not applicable
Special hazards information for humans and environment	not applicable

## 3. Composition/information on ingredients

### Chemical characterization

Description	white – creme powder
CAS-No.	11138-66-2
EINECS (EC-Number)	234-394-2
Commodity code	3913 9000 990
Additional information	not applicable

## 4. First aid measures

Description of the first aid measure	Remove contaminated clothing immediately. Consult a doctor by experience of health complaints.
After inhalation	Supply fresh air. Consult a doctor by irritation of the respiratory tract.
After skin contact	Wash with water, rinse thoroughly.
After eye contact	Remove contact lenses. Rinse open eyes with plenty of water immediately for at least 15 minutes.
After swallowing	Wash out your mouth immediately and drink plenty of water.

Avoid vomiting.

## 5. Fire fighting measures

Suitable extinguishing media	CO <sub>2</sub> , foam, sand, dry chemicals, water spray
Unsuitable extinguishing media	Water jet
Special exposure hazards arising from the substance itself	Flammable
Additional information for fire fighting	Slippery surface in combination with water
Special protective equipment:	Wear self-contained breathing apparatus

## 6. Accidental release measures

Person-related safety precautions	Wear protective equipment. Remove unprotected persons to safety. Avoid dust expansion.
Environmental precautions	Do not discharge into the drains or bodies of water.
Methods for cleaning-up/collecting	
Hot product	Allow material to cool.
Cold product	Collect the product mechanically in appropriate containers. Material can be recovered or depolluted.

## 7. Handling and storage

Advice on safe handling	Keep away from heat and direct sunlight. Storage in closed containers at cool and dry conditions, at a well ventilated place.
Advice on protection against fire and explosion	Take measures against electrostatic charge. Avoid dust expansion. Product can build flammable mixtures or burn over the flash point.
Requirements for storage rooms and vessels	Keep away from heat and direct sunlight. Storage in closed containers at cool and dry conditions, at a well ventilated place.
Conditions for safe storage	Keep away from heat and direct sunlight. Storage in closed containers at cool and dry conditions, at a well ventilated place. Do not storage together with oxidants.
Recommended storage temperatur	15 - 25 °C
Fire class	B
Storage class	11 (flammable substances)

## 8. Exposure controls and personal protections

Additional information about design and technical systems	No further details, according to point 7.
Personal protective equipment	
General protective and hygienic measures	The usual precautions by handling with chemicals are to be followed. Avoid contact with eyes and skin. Wash hands during breaks and at the end of the work.
Breathing equipment	by insufficient ventilation filter P1
Protection of hands	protective gloves
Material of gloves	rubber/PVC
Penetration time of the glove material	All manufacturer's data of break-through time and special conditions at work are to be observed.
Eye protection	Safety glasses. Additionally use face shield by splashing danger.
Body protection	protective work clothing

## 9. Physical and chemical properties

State of aggregation	solid
Colour	white - cream powder
Odour	characteristic
Vapor pressure	not applicable
Drop point	not applicable
Density at 20 °C	not applicable
Bulk density	550-850 kg/m <sup>3</sup>
Melting point	not applicable
Boiling point	not applicable
Flash point	> 200°C
Ignition temperature	not applicable
Danger of explosion	not applicable

Solubility in water at 20 °C	soluble
pH-value at 20 °C	5,0 - 8,0
Viscosity	600 cps - 1.600 cps

## 10. Stability and reactivity

Conditions to be avoided	Do not overheat to avoid thermal decomposition.
Materials to be avoided	strong oxidant agents, fluorine
Dangerous reactions	no dangerous reactions known
Dangerous products of decomposition	none

## 11. Toxicological information

LD/LC50-value	According to our knowledge and the information provided to us, there is not quantitative information of toxicity.
---------------	-------------------------------------------------------------------------------------------------------------------

## 12. Ecological information

Behaviour in clarification plants	There are not disorders expected by proper treatment in biological clarification plants. Product can be separated mechanically. Separation can be done through Absorption of clearing sludge.
General information	Do not allow uncontrolled leakage of product into the environment.

## 13. Disposal considerations

Recommendations for the product	Product can be removed in accordance with local official regulations or local authorities. There are not harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany, the recycling and Waste Management Act 8 KrW-/AbfG stipulates recycling as a requirement.
Recommendations for packaging	To be disposed of adhering to the local authorities regulations.

## 14. Transport information

Land and inland navigation transport ADR/RID and GGVS/GGVE	--
Maritime transport IMDG/GGVSee	--
Air transport ICAO-TI and IATA-DGR	--



# Material Safety Data Sheet



acc. to Regulation (EC) No. 1907/2006, Article 31  
Document-No. F 15-60 |  
Page 5 of 5

---

Transport/additional information	no hazardous material
----------------------------------	-----------------------

---

## 15. Regulatory information

---

Designation according to EC regulations	According to EC directives and our current state of knowledge the product is not subject to identification as hazardous materials.
-----------------------------------------	------------------------------------------------------------------------------------------------------------------------------------

---

National regulations

---

Water pollution class	Generally no water pollutant
-----------------------	------------------------------

---

## 16. Other information

---

All information in this Material Safety Data Sheet (MSDS) is based on our current knowledge and experience and serves as product description in relation to the mentioned stated safety precautions. A legally binding guarantee of certain characteristics cannot be deduced from this document.

---

Date of issue: 11.09.2020  
Review date:

Specs #: DSXG02	Version #: 007	Issue date: 2019.01.01
-----------------	----------------	------------------------

## Specification

**Ziboxan® F200-Xanthan Gum Food Grade**

**DESCRIPTION:**

**Xanthan Gum** is normal powder, xanthan gum produced by fermentation of corn starch and beans protein with *Xanthomonas campestris*, its solutions are neutral, suitable for use in food and food preparations as stabilizer, thickener or emulsifier.

**SPECIFICATION:**

Properties	Specifications
Appearance	cream colored powder
Viscosity (1% solution in 1% KCL)	1200-1600cp
pH (1% solution)	6.0-8.0
Loss on Drying	max. 15%
Ash	max. 13%
Particle size	100% through 80mesh(180micro) Min. 92% through 200mesh (75micro)
V1/V2	1.02-1.45
Nitrogen	max. 1.5%
Ethanol and Isopropanol	max. 500ppm
Pyruvic acid	min. 1.5%
Heavy metal	max. 20ppm
Lead*	max. 2ppm
Arsenic	max. 3ppm
Microbiological	
Total plate count	not more than 2000cfu/g
Yeast/mould	not more than 100cfu/g
E. coli*	absent/25g
Salmonella*	absent/25g

**\* : Type test parameters are tested twice a year by the third party.**

**PACKAGE:**Carton box or paper bag of 25kg net each or equivalent.

**STORE:**Sealed and stored in cool, dry conditions.

**SHILF LIFE:**It is two years in above conditions.

**QUALITY AND SAFETY ASSURANCE:**

Ziboxan® F200 production is controlled under certified quality system ISO9001 and product safety are ensured by established safety system.

**NOTE:**Kosher Approved;Halal Certified; ISO9001,OHSAS18001and ISO14001 Certified;HACCP Certified;BRC Certified

**REGULATORY COMPLIANCE:** FCC, E415



## Statement

Date: Jan.1st.2019

To Whom it may concern:

This is to certify that the Xanthan gum is suitable for consumption by Vegans.