



*From Field to Family™*

February 21, 2024

California Proposition 65 Statement for Food Starches and MALTRIN® Maltodextrins and Corn Syrup Solids

MALTRIN® maltodextrins and corn syrup solids and food starches manufactured by Grain Processing Corporation do not contain any of the substances listed in California Proposition 65 known to cause cancer or reproductive toxicity (last updated December 29, 2023).

If you have any other questions or problems concerning quality, please feel free to contact Grain Processing Corporation.

Kind Regards,

*Marcie A. Hanssen*

Marcie Hanssen  
Quality & Regulatory Specialist  
Grain Processing Corporation  
Ph. 563-264-4735  
marcie\_hanssen@grainprocessing.com

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This document is valid for one year from the date of issue.



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## **MALTRIN® Maltodextrins Regulatory Statement**

MALTRIN® Maltodextrin products are generally recognized as safe (GRAS) as direct human food ingredient at levels consistent with current good manufacturing practices (21CFR 184.1444). In accordance with §184.1(b)(1) the ingredient is used in food with no limitations other than current good manufacturing practices. MALTRIN® Maltodextrin products are derived from corn starch and should be treated as deemed necessary and appropriate by the customer upon receipt and prior to use in a manufactured process in order to ensure a purity suitable for their intended end use.

Regards,

Marcie Hanssen  
Quality & Regulatory Specialist  
marcie\_hanssen@grainprocessing.com

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### Heavy Metal Statement for MALTRIN® Maltodextrins

Grain Processing Corporation (GPC) is a processor of yellow dent corn to make the following products: MALTRIN® maltodextrins. GPC does not knowingly add heavy metals (including lead, mercury, arsenic and cadmium) in the manufacture of these products. Testing is done on random lots on a yearly basis. The historical testing indicates these products will meet inorganic impurities of NMT 0.5 ppm of lead outlined in Food Chemical Codex (FCC) for maltodextrins.

Please do not hesitate to contact GPC, if you need additional information.

Kind regards,

Marcie Hanssen  
Quality & Regulatory Specialist  
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## National Bioengineered Food Disclosure Standard - MALTRIN® Maltodextrin and Corn Syrup Solids

MALTRIN® Maltodextrin and Corn Syrup Solids are comprised of a mixture of glucose polymers produced by controlled de-polymerization of starch derived from yellow dent corn by the use of acid and/or enzymes to convert liquid starch to a targeted dextrose equivalence (DE). Corn is identified on the USDA/AMS List of Bioengineered Foods. After the hydrolysis, cooking, and conversion stages, the product is polished through a series of filtration steps with activated carbon and diatomaceous earth that absorb and remove remaining residual protein and genetic material. This process effectively renders the product free of any detectable genetic material.

Periodic PCR testing is used to verify the product contains no detectable genetic material, and validates the current refinement process makes modified genetic material undetectable, as defined in 7 C.F.R. § 66.9(b). PCR testing is completed for both Muscatine, IA and Washington, IN manufacturing locations at an accredited 3rd party laboratory that meet the requirements.

All lots tested at both locations have tested Negative. Our validation process follows the general steps outlined in the National Bioengineered Food Disclosure Standard, Guidance to Ensure Acceptable Validation of a Refining Process. Each GPC location maintains original PCR testing laboratory reports of all lots tested at the accredited 3<sup>rd</sup> party laboratory. The PCR methods used are internally validated proprietary methods that is within the scope of the laboratory's ISO/IEC 17025 certification and meets the testing guidance outlined in the National Bioengineered Food Disclosure Standard.

Based on the information contained above, our MALTRIN® Maltodextrin and Corn Syrup Solids products are not considered a bioengineered food and do not require disclosure.

Kind regards,

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Quality & Regulatory Specialist  
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## Pesticide Status of Food Starches, MALTRIN® Maltodextrins and Corn Syrup Solids

Grain Processing Corporation (GPC) routinely tests for residual pesticides on an annual basis. The finished product is sent to an outside laboratory for testing. Typical testing screen include organochlorines (OC), organophosphates (OP) and organonitrogens (ON). Historically, the results from this testing have been below the detection limit of the assay.

Please do not hesitate to contact GPC, if you need additional information.

Kind regards,

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## Allergen Status of Food Starches and MALTRIN® Maltodextrins and Corn Syrup Solids

Grain Processing Corporation MALTRN® Maltodextrins, Corn Syrup Solids and Food Grade Starches do not contain apples; gelatin; kiwi; oranges; pistachio; yams: potatoes; mushrooms; rice; legumes; celery; eggs (all species); dairy products (all species) or dairy derivatives (lactose/ghee/whey); peanuts, soybeans (soy products), nuts, seeds, tree nuts or derivatives (all species), coconut and their oil /extracts; sesame seeds and their oils/extracts; gluten sources from wheat, rye, barley, oats, spelt, or karmut; fish (all species); seafood (all species), shell fish (all species of molluscs and crustaceans); royal jelly, bee pollen, propolis; buckwheat; tomato; mango; peach; antibiotics; colors; animal fats and oils, pork, beef, chicken; monosodium glutamate; tartrazine; carmine; latex (natural rubber); cottonseed flour or lupin and products thereof. Mustard or mustard seed is not contained in any of the above listed products. There are no proteins “derived from” major food allergens, produced in other sources through the use of (e.g. chemical, biochemical, mechanical, fermentation or bioengineering processes) in these products. The above products are processed from corn starch. None of the allergens listed above are intentionally added, stored on-site, or used during processing of Grain Processing Corporation’s products. All our suppliers complete an allergen questionnaire to ensure none of these allergens are contained in ingredients we may use in our process.

Steeping agents are traditionally used in the wet milling process to separate starch and other components from corn kernels. The manufacturing process reduces sulfites to low levels in the product. Our specification is less than 10 ppm, which is below the FDA concentration to be declared on food labels.

If you have any further questions about this matter, please feel free to contact us.

Sincerely,

Marcie Hanssen  
Quality & Regulatory Specialist  
Grain Processing Corporation  
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**Allergen (food intolerance) review of materials: MALTRIN® Maltodextrins, MALTRIN® Corn Syrup Solids and Food Starches**

| Allergen   | Present in final product (Yes/No/NA) | Used in fermentation ** (Yes/No/NA) | Present in Production |                  | Cross cont. possible* (Yes/No/NA) |
|--|--------------------------------------|-------------------------------------|-----------------------|------------------|-----------------------------------|
|  |                                      |                                     | Site (Yes/No/NA)      | Line (Yes/No/NA) |                                   |
| Buckwheat and products thereof   | No                                   | NA                                  | No                    | No               | No                                |
| Cereal containing gluten and products thereof, ie. barley, kamut, oats, rye, Spelt or their hybridized strains | No                                   | NA                                  | No                    | No               | No                                |
| <b>Wheat</b> and products thereof  | No                                   | NA                                  | No                    | No               | No                                |
| Wheat  | No                                   | NA                                  | No                    | No               | No                                |
| <b>Eggs</b> and products thereof   | No                                   | NA                                  | No                    | No               | No                                |
| Eggs   | No                                   | NA                                  | No                    | No               | No                                |
| <b>Fish</b> and products thereof   | No                                   | NA                                  | No                    | No               | No                                |
| Squid  | No                                   | NA                                  | No                    | No               | No                                |
| Abalone  | No                                   | NA                                  | No                    | No               | No                                |
| Salmon   | No                                   | NA                                  | No                    | No               | No                                |
| roe  | No                                   | NA                                  | No                    | No               | No                                |
| Salmon   | No                                   | NA                                  | No                    | No               | No                                |
| Mackerel   | No                                   | NA                                  | No                    | No               | No                                |
| <b>Crustaeen shell-fish</b> and products thereof   | No                                   | NA                                  | No                    | No               | No                                |
| Shrimp/prawn   | No                                   | NA                                  | No                    | No               | No                                |
| Crab   | No                                   | NA                                  | No                    | No               | No                                |
| Mollusks and products thereof  | No                                   | NA                                  | No                    | No               | No                                |
| Lupine and products thereof  | No                                   | NA                                  | No                    | No               | No                                |
| <b>Milk</b> and products thereof (all species)   | No                                   | NA                                  | No                    | No               | No                                |
| Lactose  | No                                   | NA                                  | No                    | No               | No                                |
| Milk   | No                                   | NA                                  | No                    | No               | No                                |

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|  |    |    |     |    |    |
|--|----|----|-----|----|----|
| Ghee   | No | NA | No  | No | No |
| Whey   | No | NA | No  | No | No |
| Mustard and products thereof   | No | NA | No  | No | No |
| <b>Tree Nuts</b> and products thereof ie. nut oil, almonds (amygdalus communis L.), hazelnuts (Corylus avellana), walnuts (Juglans regia), cashews (Anacardium occidentale), pecan nuts (Carya illinoensis)(K.Koch), Brazil nuts (Bertholletia excelsa), pistachio nuts (Pistacia vera), macadamia or Queensland nuts (Macadamia ternifolia) | No | NA | No  | No | No |
| Walnuts  | No | NA | No  | No | No |
| Chestnuts (Castanea spp)   | No | NA | No  | No | No |
| Pine nuts (Pinus spp)  | No | NA | No  | No | No |
| <b>Peanuts</b> and product thereof   | No | NA | No  | No | No |
| <b>Seesame</b> seeds and products thereof  | No | NA | No  | No | No |
| <b>Soy</b> (beans) and products thereof  | No | NA | No  | No | No |
| soybeans   | No | NA | No  | No | No |
| Sulfure Dioxide and sulfites (E220-E228) at concentrations of more than 10 mg/kg (ppm) expressed as SO <sub>2</sub>  | No | NA | Yes | No | No |
| Bee pollen   | No | NA | No  | No | No |
| Celery and products thereof (including all umbelliferae)   | No | NA | No  | No | No |
| Natural Latex  | No | NA | No  | No | No |
| "matsutake" mushrooms  | No | NA | No  | No | No |
| Propolis   | No | NA | No  | No | No |

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|  |     |    |     |     |     |
|--|-----|----|-----|-----|-----|
| Royal Jelly  | No  | NA | No  | No  | No  |
| Rice   | No  | NA | No  | No  | No  |
| Maize (corn)   | Yes | NA | Yes | Yes | Yes |
| Yams (potatoes)  | No  | NA | No  | No  | No  |
| Beef and products thereof                                | No  | NA | No  | No  | No  |
| Oil seeds (other than sesame)                            | No  | NA | No  | No  | No  |
| Pork   | No  | NA | No  | No  | No  |
| chicken  | No  | NA | No  | No  | No  |
| gelatin  | No  | NA | No  | No  | No  |
| peaches  | No  | NA | No  | No  | No  |
| oranges  | No  | NA | No  | No  | No  |
| kiwifruit  | No  | NA | No  | No  | No  |
| bananas  | No  | NA | No  | No  | No  |
| apples   | No  | NA | No  | No  | No  |
| spices and herbs   | No  | NA | No  | No  | No  |
| phenylalanine  | No  | NA | No  | No  | No  |
| perubalsam   | No  | NA | No  | No  | No  |
| glutamine (E620-E625)                                    | No  | NA | No  | No  | No  |
| cocoa (Theobroma cacao) cocoa powder or products thereof | No  | NA | No  | No  | No  |
| coconut and products thereof                             | No  | NA | No  | No  | No  |
| tomatoes   | No  | NA | No  | No  | No  |
| mango  | No  | NA | No  | No  | No  |
| antibiotics  | No  | NA | No  | No  | No  |
| colors   | No  | NA | No  | No  | No  |
| animal fats and oils                                     | No  | NA | No  | No  | No  |
| monosodium glutamate                                     | No  | NA | No  | No  | No  |
| vanilla  | No  | NA | No  | No  | No  |
| tartrazine   | No  | NA | No  | No  | No  |
| carmines   | No  | NA | No  | No  | No  |
| cotton seed flour  | No  | NA | No  | No  | No  |
| legumes  | No  | NA | No  | No  | No  |
| yeast  | No  | NA | No  | No  | No  |
| biogenic amines  | No  | NA | No  | No  | No  |

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|  |    |    |    |    |    |
|--|----|----|----|----|----|
| hydrolyzed protein enzyme treated hydrolysates | No | NA | No | No | No |
| hydrolyzed protein acid-treated                | No | NA | No | No | No |
| Mustard or mustard seeds                       | No | NA | No | No | No |

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To Whom It May Concern:

Regarding Grain Processing Corporation MALTRIN® maltodextrin, corn syrup solids, and dried glucose syrup, these products are processed from some GM raw material but will typically test negative for GM. These products will not meet EU labeling regulations as non-GM.

If you have any questions regarding this information, please contact me.

Sincerely,

GRAIN PROCESSING CORPORATION

Amber Gregory  
Manager, Sales Administration  
Grain Processing Corporation  
Tel: 563-264-4285  
amber.gregory@grainprocessing.com

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To Whom It May Concern:

GPC products have not been irradiated or treated with ethylene oxide at any point of the production process; nor have they been exposed to raw radiological hazards.

If you have any questions regarding this information, please contact me.

Sincerely,

GRAIN PROCESSING CORPORATION

Amber Gregory  
Manager, Sales Administration  
Grain Processing Corporation  
Tel: 563-264-4285  
amber.gregory@grainprocessing.com

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January 2024

To Whom It May Concern:

Regarding Grain Processing Corporation products – Palm Oil is not used as part of our manufacturing process.

If you have any questions regarding this information, please contact me.

Sincerely,

GRAIN PROCESSING CORPORATION

Amber Gregory  
Manager, Sales Administration  
Grain Processing Corporation  
Tel: (563) 264-4285  
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To Whom It May Concern:

You have asked about the presence of residual solvents in Grain Processing Corporation's MALTRIN® products. The only solvent used in manufacturing MALTRIN® is water. **No other solvents are present**, including the residual solvents listed by the USP Chapter <467> shown below.

| <u>Class</u>                      | <u>Quantity</u> |
|-----------------------------------|-----------------|
| Class 1                           | None Present    |
| Class 2                           | None Present    |
| Class 3                           | None Present    |
| Other Residual Solvents (table 4) | None Present    |

This is based on knowledge of the manufacturing process and controlled handling, shipping, and storage of the material. There is no potential for specific toxic solvents to be present and the material, if tested, will comply with established standards.

Sincerely,

Joseph R. Glenn  
Quality Assurance Manager  
Grain Processing Corporation  
1600 Oregon St.  
Muscatine, IA 52761  
(563) 264-4847

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### Country of Origin

The country of origin for MALTRIN maltodextrins and corn syrup solids and food starches is the USA.

If you have any questions regarding this information, please contact me Grain Processing Corporation.

Sincerely,

GRAIN PROCESSING CORPORATION

*Marcie A Hanssen*

Marcie Hanssen  
Quality & Regulatory Specialist  
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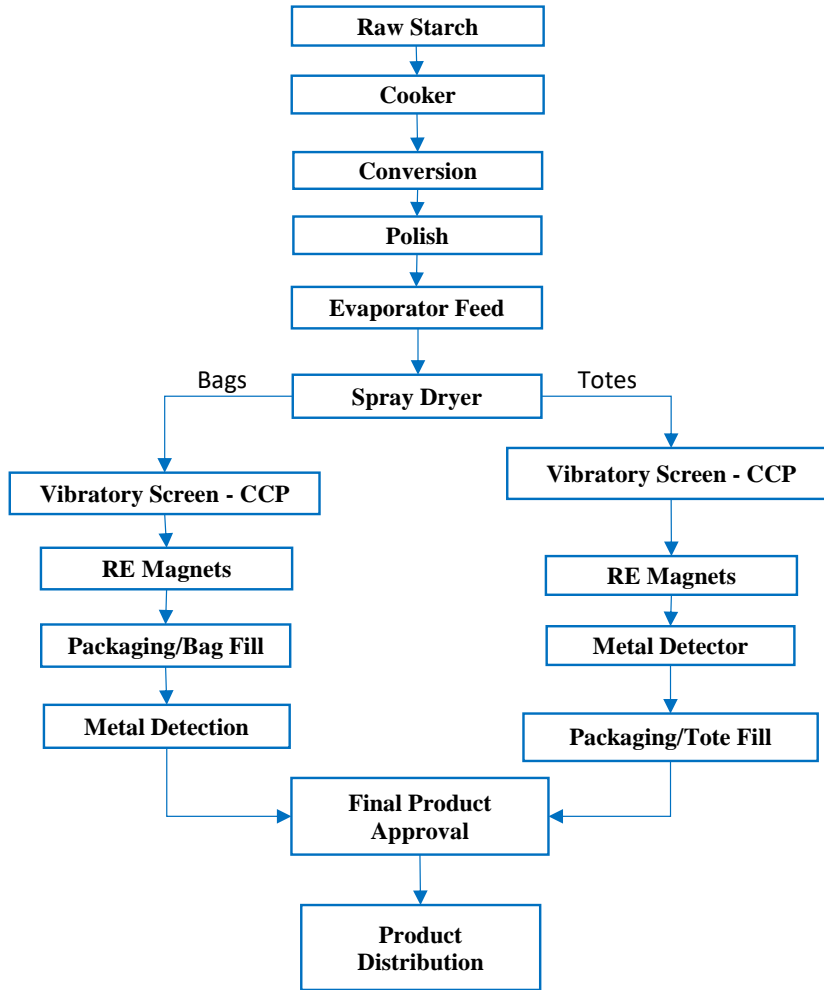
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HARPC FLOW DIAGRAM - Appendix 3

PROCESS: MALTRIN® Products LOCATION: Muscatine, IA DATE: 04/10/2023 Page 1



MALTRIN® (Maltodextrin, Dried Glucose Syrup and Corn Syrup Solids) are each mixtures of glucose polymers produced by the controlled de-polymerization of #2 yellow dent corn starch grown in the United States by the use of acid and/or enzymes to convert liquid starch to targeted dextrose equivalence (DE). These are generally low pH products of low water activity that promote stability of the products both analytically and microbiologically. Maltodextrin, Dried Glucose Syrup and Corn Syrup Solids are preferably packaged in Kraft multi walled bags (in both 50 pound and 25 kg sizes), but are also available in other packaging such as Super Sack tote bags, upon specified agreements made between GPC and individual customers. MALTRIN® products should be stored under ambient conditions; protected from excessive heat and excessive humidity for extended periods of time. Under good storage conditions, the shelf life is expected to be two years. Maltodextrin, Dried Glucose Syrup and Corn Syrup Solids are used in dried food, beverage preparations, and nutritional products as well as used as an excipient to the pharmaceutical industry.





**Grain Processing Corporation**  
1600 Oregon Street  
P.O. Box 349 Muscatine, IA 52761-1494 USA  
Phone: 563-264-4265 Fax: 563-264-4289

Date: 08/01/2018

SAMPLE CUSTOMER

USA

Certificate of Analysis

The following product manufactured by Grain Processing Corporation, Muscatine, Iowa, USA was tested and approved for shipment.

Product: MALTRIN QD® M580 MALTODEXTRIN 50 LB BAG

Customer Code Number: Example COA  
Customer Order Number: .  
GPC Confirm Number: .  
Batch Number: 1B000101998  
Date of Manufacture: 06/10/2018  
Recommended Retest Date: 06/09/2020

| <u>Test</u>                | <u>Result</u> |
|----------------------------|---------------|
| Dextrose Equivalent        | 16            |
| Moisture, %                | 3.5           |
| Ash, %                     | 0.27          |
| pH (20% Solution)          | 4.3           |
| Aerobic Plate Count, CFU/g | <10           |
| Yeast and Mold, CFU/g      | <10           |
| Enterobacteriaceae, CFU/g  | <10           |
| E. Coli, Negative/10g      | Pass          |
| Salmonella, Negative/25g   | Pass          |

MALTRIN maltodextrin is a bland, minimally sweet white carbohydrate powder.

This COA has been generated and released from a controlled electronic document management system.

Deb Doehrmann  
SENIOR QA COORDINATOR  
deb\_doehrmann@grainprocessing.com