

Brent D. Flickinger, PhD

Vice President, Product Quality, Regulatory & Scientific Affairs 4666 Faries Parkway Decatur, IL 62526 T 217.451.2456 F 217.451.2248 Brent.Flickinger@adm.com

February 20, 2015

The safety and security of our world's food and feed supply chain is of utmost importance to responsible participants in that chain. Archer-Daniels-Midland Company ("ADM") exists for the purpose of serving vital needs for food and energy. We connect the harvest to the home and transform crops into products that serve those needs. That purpose necessitates attending to the safety and security of our supply chain. ADM offers this letter to inform its business partners of its commitment to the safety and security of its processes and products and to compliance with regulatory requirements designed to protect the world's food supply.

ADM is continually reviewing and improving its food safety systems and procedures, including its good manufacturing practices and implementation of programs such as hazard analysis and critical control point (HACCP). ADM regularly evaluates its facilities, processes and procedures to assess the risk of contamination of its products. A variety of safeguards and security concepts are utilized to reduce that risk. With respect to ADM's delivery network, we track rolling stock and barges and have secure areas for storage of fleets where ADM products are being held. Bulk containers for food service are inspected prior to loading and procedures for the sealing of certain empty bulk containers are in place to reduce the possibility of contamination of a container, such as a trailer, railcar or barge, while being returned for the next load. Procedures for sealing loaded containers help ensure that all openings are properly sealed and those seals are tracked to maintain integrity of the vessel to its destination.

Considering risks of unexpected events, such as global terrorism, natural disasters or global pandemic outbreaks, ADM recognizes the importance of business continuity and supply chain resilience planning. ADM maintains a Crisis Leadership Plan and has engaged in, and is committed to, initiatives to ensure a safe and stable supply of products to our customers. Examples of these efforts include ADM's active participation in the U.S. Department of Homeland Security's Customs-Trade Partnership Against Terrorism Program, an international supply chain security program, and our Pandemic Planning Task Force, a strategic planning group focused on the unique safety, security and business continuity concerns presented by the potential of a pandemic disease.

With respect to ADM's information technology, proper recovery procedures are in place to allow ADM's commercial activities to resume within a reasonable period of time in the event of a disaster. These off site data center procedures have been reviewed, enhanced and tested to ensure that information relating to the business of ADM and its business partners is protected. Established disaster recovery procedures will allow ADM to continue operations, including supplying and servicing its customers, with minimal interruptions.

The U.S. Public Health Security and Bioterrorism Preparedness Response Act of 2002 requires registration with the U.S. Food and Drug Administration ("FDA") of facilities that manufacture, process, pack, or hold food for human or animal consumption in the United States. Additionally, the Food Safety Modernization Act requires re-registration by December 31, 2012 and biennial thereafter. All covered ADM facilities are registered and ADM has procedures to assure that those registrations are properly maintained. ADM also has procedures in place to assure we meet regulatory requirements regarding record keeping by registered facilities. The Global Trade Compliance section of ADM works with key managers, customs brokers and carriers involved in importing to implement systems and procedures for compliance with the prior notice regulations issued by the FDA and to develop a flow of information that continuously ensures a timely and efficient transfer of data.

ADM's Code of Conduct recognizes the Company's obligation to follow applicable laws and regulations in every aspect of its business. Specifically, it has been and will continue to be the intent of ADM to fully comply with the regulations issued pursuant to the Public Health Security and Bioterrorism Preparedness Response Act ("Bioterrorism Act").

Occasionally, we are asked to provide registration numbers issued to ADM facilities registered under the Bioterrorism Act. Due to security concerns and advice issued by the FDA, ADM will not disclose those registration numbers, which the FDA has declared as beyond the reach of Freedom of Information Act requests. Provision of those numbers would, in our estimation, be unwise because of concerns that it could allow access to information that should be treated as confidential. However, if a customer needs confirmation of registration of specific facilities, that confirmation can be provided upon request.

Sustainability is a priority for ADM as it serves vital needs globally. Supplying our customers and the markets they serve with responsibly grown agricultural products is an operational priority at ADM. Sustainably produced crops and products reduce the impact to the environment and benefit the communities where we live and work. ADM actively participates in internationally recognized certification schemes to support sustainable agriculture worldwide. For example, ADM participates in the Roundtable for Responsible Soy, the Roundtable on Sustainable Palm Oil, the International Standard for Carbon Certification and more to support the development and implementation of sustainable agriculture.

ADM is committed to supplying its customers with safe, high-quality products. If you need additional information regarding the issue of product and process protection at ADM, please feel free to communicate with your service or technical contact or with Product Quality, Regulatory and Scientific Affairs which can be reached by phone (217) 451- 4880, by email (ProductQRSA@adm.com) or by facsimile (217) 451-2248.

Brent D. Flickinger, PhD

But Detictings

Vice President,

Product Quality, Regulatory & Scientific Affairs

BDF/ah



TECHNICAL SERVICES 4666 FARIES PARKWAY DECATUR, IL 62526 TEL: 217-424-7418 FAX: 217-424-2473

FAX: 217-424-247 www.adm.com

### TO WHOM IT MAY CONCERN

#### **CURRENT GOOD MANUFACTURING PRACTICES**

This is to certify that the sorbitol products listed below are manufactured following Current Good Manufacturing Practices (CGMP).

SORBITOL SOLUTION, USP/FCC SORBITAL CRYSTALLINE. NF/FCC

Sincerely, ADM Technical Services

The information contained herein is correct as of the date of this document to the best of our knowledge. Any recommendations or suggestions are made without guarantee or representation as to results and are subject to change without notice. We suggest you evaluate any recommendations and suggestions independently. WE DISCLAIM ANY AND ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND SPECIFICALLY DISCLAIM THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. Our responsibility for claims arising from any claim for breach of warranty, negligence, or otherwise shall not include consequential, special, or incidental damages, and is limited to the purchase price of material purchased from us. None of the statements made here shall be construed as a grant, either express or implied, of any license under any patent held by Archer Daniels Midland Company or other parties. Customers are responsible for obtaining any licenses or other rights that may be necessary to make, use, or sell products containing Archer Daniels Midland Company ingredients.



## **ADM CORN PROCESSING**

Archer Daniels Midland Company Corn Processing Division Technical Services 4666 Faries Parkway Decatur, IL 62526 Phone 800/238-9026 Fax 217-451-7574

CPTechService@adm.com

For Sales and Marketing contact information, please see below.

## Physical Constants for Sorbitol Solution, USP/FCC (Excipient/Food Use)

% Dry Solids	Refractive Index 20°C	Specific Gravity 25/25°C	Pounds/ Gallon 25°C
69.0	1.4566	1.293	10.75
69.1	1.4568	1.293	10.75
69.2	1.4570	1.294	10.76
69.3	1.4572	1.294	10.76
69.4	1.4574	1.295	10.77
69.5	1.4576	1.295	10.77
69.6	1.4578	1.296	10.78
69.7	1.4580	1.296	10.78
69.8	1.4582	1.297	10.78
69.9	1.4584	1.297	10.78
70.0	1.4586	1.298	10.79
70.1	1.4588	1.298	10.79
70.2	1.4590	1.299	10.80
70.3	1.4592	1.299	10.80
70.4	1.4594	1.300	10.81
70.5	1.4596	1.300	10.81
70.6	1.4598	1.301	10.82
70.7	1.4600	1.301	10.82
70.8	1.4602	1.302	10.83
70.9	1.4604	1.302	10.83
71.0	1.4606	1.303	10.83
71.1	1.4608	1.303	10.83
71.2	1.4610	1.304	10.84
71.3	1.4612	1.304	10.84
71.4	1.4614	1.305	10.85
71.5	1.4616	1.305	10.85

SS-003-110908 JW

For customers around the world, ADM draws on its resources—its people, products, and market perspective—to help them meet today's consumer demands and envision tomorrow's needs.



The information contained herein is correct as of the date of this document to the best of our knowledge. Any recommendations or suggestions are made without guarantee or representation as to results and are subject to change without notice. We suggest you evaluate any recommendations and suggestions independently. WE DISCLAIM ANY AND ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND SPECIFICALLY DISCLAIM THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. Our responsibility for claims arising from any claim for breach of warranty, negligence, or otherwise shall not include consequential, special, or incidental damages, and is limited to the purchase price of material purchased from us. None of the statements made here shall be construed as a grant, either express or implied, of any license under any patent held by Archer Daniels Midland Company or other parties. Customers are responsible for obtaining any licenses or other rights that may be necessary to make, use, or sell products containing Archer Daniels Midland Company.



## ADM CORN PROCESSING

Archer Daniels Midland Company Corn Processing Division Technical Services 4666 Faries Parkway Decatur, IL 62526 Phone 800/238-9026 Fax 217-451-7574 CPTechService@adm.com

For Sales and Marketing contact information, please see below.

## Ingredient Origin Statement

The following Sorbitol products are food ingredients manufactured in the United States of America. Corn is used as the primary raw material for the manufacture of these products, and is sourced through regional grain distribution systems, regulated by the USDA and local farms. Processing aids used in the manufacture of these products have not been identified by the USDA or FDA as being potentially adulterated with melamine or melamine related compounds. The products listed below are manufactured using Current Good Manufacturing Practices (cGMPs) and are in compliance with all applicable regulations.

Sorbitol Solution, USP/FCC (product code #177010)
Sorbitol Solution Noncrystallizing, NF (product code #177710)
Sorbitol Solution High Mannitol (product code #177705)
Liquid Sorbitol 80% (product code #177080)
Maltitol Syrup Concentrate (product code #177715)

If you have any questions, please do not hesitate to contact us.

MI-013-110902 JW

For customers around the world, ADM draws on its resources—its people, products, and market perspective—to help them meet today's consumer demands and envision tomorrow's needs.



The information contained herein is correct as of the date of this document to the best of our knowledge. Any recommendations or suggestions are made without guarantee or representation as to results and are subject to change without notice. We suggest you evaluate any recommendations and suggestions independently. WE DISCLAIM ANY AND ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND SPECIFICALLY DISCLAIM THE IMPLIED WAR RANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. Our responsibility for claims arising from any claim for breach of warranty, negligence, or otherwise shall not include consequential, special, or incidental damages, and is limited to the purchase price of material purchased from us. None of the statements made here shall be construed as a grant, either express or implied, of any license under any patent held by Archer Daniels Midland Company or other parties. Customers are responsible for obtaining any licenses or other rights that may be necessary to make, use, or sell products containing Archer Daniels Midland Company.



TECHNICAL SERVICES 4666 FARIES PARKWAY DECATUR, IL 62526 TEL: 217-424-7418 FAX: 217-424-2473 www.adm.com

## Animal Testing on ADM Products

07/02/2013

#### Confirmation:

Archer Daniels Midland Company (ADM) manufactures the products listed below. ADM does not conduct animal testing on these products for cosmetic purposes or for use in house hold cleaning agents. ADM would have no have knowledge of animal testing performed on these products after they are sold into commercial or government markets.

Citric Acid Anhydrous, USP/FCC Citrosol® 501, 502 and 503 Potassium Citrate, USP/FCC Sodium Citrate Anhydrous, USP/FCC Sodium Citrate Dihydrate, USP/FCC Lactic Acid 88, 90% USP Heat Stable Lactic Acid 50, 80 and 88% FCC Arlac S (Sodium Lactate) Arlac P (Potassium Lactate) Ethyl Lactate FCC NovaXan™ NF/FCC (Xanthan Gum) OptiXan<sup>TM</sup> Industrial Grade Xanthan Gum Sorbitol Solution, USP/FCC Sorbitol Crystalline, NF/FCC Sorbitol Solution, Noncrystallizing Sorbitol Solution, High Mannitol Resistant Maltodextrin (Fibersol-2<sup>TM</sup>) **USP** Glycerin Propylene Glycol

If you need any additional information or have any questions, please do not hesitate to contact me.

Sincerely,

Patty Pagel

Director, Quality and Technical Services

Corn Business Unit

The information contained herein is correct as of the date of this document to the best of our knowledge. Any recommendations or suggestions are made without guarantee or representation as to results and are subject to change without notice. We suggest you evaluate any recommendations and suggestions independently. WE DISCLAIM ANY AND ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND SPECIFICALLY DISCLAIM THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. Our responsibility for claims arising from any claim for breach of warranty, negligence, or otherwise shall not include consequential, special, or incidental damages, and is limited to the purchase price of material purchased from us. None of the statements made here shall be construed as a grant, either express or implied, of any license under any patent held by Archer Daniels Midland Company or other parties. Customers are responsible for obtaining any licenses or other rights that may be necessary to make, use, or sell products containing Archer Daniels Midland Company ingredients.

MI-014-110511



ADM Technical Services | 4666 Faries Parkway, Decatur IL 62526 P: 800.238.9026 | F: 217.451.2153 | CPTechService@adm.com

# Global Food Safety Initiative (GFSI) Statement ADM BIOPRODUCTS DECATUR, IL

Auditing has been used to validate and test the integrity of our quality systems. Our systems utilize a variety of avenues, which include internal GMP/Food Safety, system, and customer audits to accomplish these tasks. The Corn Business Unit has made the decision to pursue FSSC/ISO 22000: PAS 220, which falls under the umbrella of GFSI. ADM Bioproducts in Decatur, IL completed Stage One of the GFSI audit on March 26th, 27<sup>th</sup> and 28th for the products lactic acid, xanthan gum and crystalline sorbitol. Stage two has been scheduled and will be completed before year end, 2014.

ADM recognizes that our commitment to quality, and the description of how it is enacted within our organization, is what our customers seek long term. We kindly ask for your patience as we make this transition and to be compliant with customer's immediate needs, we will provide the most current information on file.

Furthermore, if there are any questions regarding the status of any of these locations, please do not hesitate to ask.

**ADM Technical Services** 

**Date Approved** 05/15/2014

Version 1.0 Document # CBU.TS.BIOMI.001



ADM Technical Services | 4666 Faries Parkway, Decatur IL 62526 P: 800.238.9026 | F: 217.451.2153 | CPTechService@adm.com

## **Irradiation and Radioactive Contamination**

The ADM products listed below have not been irradiated and are free of radioactive contamination.

#### **Food and Industrial Grade Products**

- CornSweet® High Fructose Corn Syrups
- Corn Syrups
- Clintose® Dextrose
- CornSweet® Crystalline Fructose
- Clintose® Corn Syrup Solids
- Sorbitol Crystalline and Liquid
- Citric Acid and Citrates (Sodium, Potassium)
- Lactic Acid and Lactates (Sodium, Potassium, Ethyl)
- Xanthan Gum

- Ethanol Beverage and Industrial Grades
- Clintose® Versadex Dextrose Greens
- Fibersol®-2 Resistant Maltodextrin
- Fibersol®-2AG
- Fibersol®-LQ
- Clintose® Maltodextrin
- Corn Starch Food and Industrial Grades
- Liquefied and Inverted Sucrose\*
   \*Sourced from sugarcane and sugar beets

#### **Feed Grade Products**

- 60% Corn Gluten Meal
- Distiller's Dried Grains with Solubles
- L-Threonine 98.5%

- 18% Corn Gluten Feed Pellets
- L-Lysine HCl 98.5%
- Liquid Lysine 50%

If you have any questions, please do not hesitate to contact us.

**ADM Technical Services** 

**Date Approved** 06/23/2015

Version 1.0 Document # CBU.TS.MISC.020



ADM Technical Services | 4666 Faries Parkway, Decatur IL 62526 P: 800.238.9026 | F: 217.451.2153 | CPTechService@adm.com

## **Current Good Manufacturing Practices Statement**

This is to certify that the products listed below are manufactured following Current Good Manufacturing Practices (cGMP) as defined in 21 CFR 110s.

#### **Food and Industrial Grade Products**

- CornSweet<sup>®</sup> High Fructose Corn Syrups
- Corn Syrups
- Clintose® Dextrose
- CornSweet® Crystalline Fructose
- Clintose® Corn Syrup Solids
- Sorbitol Crystalline and Liquid
- Citric Acid and Citrates (Sodium, Potassium)
- Lactic Acid and Lactates (Sodium, Potassium, Ethyl)
- Xanthan Gum

- Ethanol Beverage and Industrial Grades
- Clintose® Versadex Dextrose Greens
- Fibersol®-2 Resistant Maltodextrin
- Fibersol®-2AG
- Fibersol®-LQ
- Clintose® Maltodextrin
- Corn Starch Food and Industrial Grades
- Liquefied and Inverted Sucrose\*
   \*Sourced from sugarcane and sugar beets

#### **Feed Grade Products**

- 60% Corn Gluten Meal
- Distiller's Dried Grains with Solubles
- L-Threonine 98.5%

- 18% Corn Gluten Feed Pellets
- L-Lysine HCl 98.5%
- Liquid Lysine 50%

If you have any questions, please do not hesitate to contact us.

**ADM Technical Services** 

**Date Approved** 12/29/2014

Version 1.0 Document # CBU.TS.MISC.006



Archer Daniels Midland 1001 Brush College Road Decatur, IL 62521 Phone: 217/451-7418 fax: 217/451-2473 website:www.adm.com

June 2, 2011

To Whom It May Concern:

ADM Sorbitol products are produced in accordance with Good Manufacturing Practices. Phthalates are not used in the production of ADM's Sorbitol products nor expected to be found in the finished product.

We are happy to provide this information. Please do not hesitate to contact our Technical Service office if you have questions or need additional information. The toll free number here in Decatur is 1-800-553-8411

Sincerely, ADM Technical Services Specialty Food Ingredients Division

The information contained herein is correct as of the date of this document to the best of our knowledge. Any recommendations or suggestions are made without guarantee or representation as to results and are subject to change without notice. We suggest you evaluate any recommendations and suggestions independently. WE DISCLAIM ANY AND ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND SPECIFICALLY DISCLAIM THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. Our responsibility for claims arising from any claim for breach of warranty, negligence, or otherwise shall not include consequential, special, or incidental damages, and is limited to the purchase price of material purchased from us. None of the statements made here shall be construed as a grant, either express or implied, of any license under any patent held by Archer Daniels Midland Company or other parties. Customers are responsible for obtaining any licenses or other rights that may be necessary to make, use, or sell products containing Archer Daniels Midland Company ingredients.



ADM Technical Services | 4666 Faries Parkway, Decatur IL 62526 P: 800.238.9026 | F: 217.451.2153 | CPTechService@adm.com

## **Melamine Statement**

The ADM products listed below are derived, processed and refined without the use of melamine or melaminerelated products:

#### **All Products**

Alcohol-Beverage, Fuel and Industrial Grade	Maltodextrin (Clintose®)		
Allulose (JustSweet™)	Potassium Citrate		
Citric Acid Anhydrous	Propylene Glycol		
Corn Syrup-Liquid and Solids	Resistant Maltodextrins (Fibersol®)		
Corn Starch-Food and Industrial Grade	Sodium Citrate-Anhydrous and Dihydrate		
Crystalline Dextrose (Clintose®)	Sorbitol-Liquid, Dry and Non-Crystallizing		
Crystalline Fructose (CornSweet®)	Sucralose (VivaSweet™)		
Glycerin	Sucrose*-Dry, Liquid and Invert		
High Fructose Corn Syrups (CornSweet®)	Sweetener Blends		
Liquid Citric Acid-Food and Industrial Grade (Citrosol®)	Xanthan Gum ( NovaXan™)		
Maltitol Syrup			

<sup>\*</sup>Sourced from sugarcane and sugar beets

#### **Feed Products**

Citristim	Golden Synergy <sup>™</sup>	
Corn Germ Meal	Liquid Gold	
Corn Gluten Feed	Liquid Lysine	
Corn Gluten Meal	L-Lysine HCl	
Distiller's Corn Oil	L-Threonine	
Distiller's Dried Grains with Solubles	Modified Wet Distiller's Grains	
Golden Gluten	Proplex DY, T, Y	

If you have any questions, please do not hesitate to contact us.

#### **ADM Technical Services**

Date Approved	Version	Document #	
01/25/2016	1.0	CBU.TS.MISC.074	

The information contained herein is correct as of the date of this document to the best of our knowledge. Any recommendations or suggestions are made without guarantee or representation as to results and are subject to change without notice. We suggest you evaluate any recommendations and suggestions independently. We DISCLAIM ANY AND ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND SPECIFICALLY DISCLAIM THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. Our responsibility for claims arising from any claim for breach of warranty, negligence, or otherwise shall not include consequential, special, or incidental damages, and is limited to the purchase price of material purchased from us. None of the statements made here shall be construed as a grant, either express or implied, of any license under any patent held by Archer Daniels Midland Company ingredients.



## TO WHOM IT MAY CONCERN RESIDUAL SOLVENTS IN ADM SORBITOL PRODUCTS

Please be advised that ADM manufactured Sorbitol products are in compliance USP Residual Solvents limits as set forth in USP 31, 2008 <467>.

No solvents are being used in any of the manufacturing steps of ADM Sorbitol products.

Ethylene glycol, a Class 2 solvent, may be formed in the manufacturing process; however, residual ethylene glycol levels in finished Sorbitol products are below the Option 1 limit.

We are happy to provide this information to you. If you have any questions please do not hesitate to contact our Decatur office. The toll free number is 800/553-8411.

The information contained herein is correct as of the date of this document to the best of our knowledge. Any recommendations or suggestions are made without guarantee or representation as to results and are subject to change without notice. We suggest you evaluate any recommendations and suggestions independently. We disclaim any and all warranties, whether express or implied, and specifically disclaim the implied warranties of merchantability, fitness for a particular purpose and non-infringement. Our responsibility for claims arising from any claim for breach of warranty, negligence or otherwise shall not include consequential, special or incidental damages, and is limited to the purchase price of material purchased from us. None of the statements made here shall be construed as a grant, either express or implied, of any license under any patent held by ADM or other parties. Customers are responsible for obtaining any licenses or other rights that may be necessary to make, use or sell products containing ADM ingredients.

ARCHER DANIELS MIDLAND COMPANY BOX 1470 DECATUR, ILLINOIS 62525 TEL: 800/ 637-5843 or 217/ 451-7418 FAX: 217/ 451-2473 WWW . ADMWORLD . COM



August 31, 2010

#### TO WHOM IT MAY CONCERN

REGARDING: SEWAGE SLUDGE / IRRADITATION IN MANUFACTURE OF ADM SORBITOL PRODUCTS

Please be advised ADM Sorbitol products do not come into contact with sewage sludge. Further none of ADM Sorbitol Products are irradiated. We are happy to provide this information. Please feel free to contact us if we can be of further assistance.

Sincerely, ADM Technical Services

The information contained herein is correct as of the date of this document to the best of our knowledge. Any recommendations or suggestions are made without guarantee or representation as to results and are subject to change without notice. We suggest you evaluate any recommendations and suggestions independently. We disclaim any and all warranties, whether express or implied, and specifically disclaim the implied warranties of merchantability, fitness for a particular purpose and non-infringement. Our responsibility for claims arising from any claim for breach of warranty, negligence or otherwise shall not include consequential, special or incidental damages, and is limited to the purchase price of material purchased from us. None of the statements made here shall be construed as a grant, either express or implied, of any license under any patent held by ADM or other parties. Customers are responsible for obtaining any licenses or other rights that may be necessary to make, use or sell products containing ADM ingredients.



### TO WHOM IT MAY CONCERN

## ORGANIC SOLVENTS AND ORGANIC VOLATILE IMPURITIES IN ADM SORBITOL PRODUCTS

Please be advised that ADM manufactured Sorbitol products are in compliance USP Organic Volatile Impurities limits as set forth in USP 29, 2006 <467>.

No solvents are being used in any of the manufacturing steps of ADM Sorbitol products.

Ethylene glycol (Class 2) is a by-product of the manufacturing process; residual Ethylene glycol levels in finished Sorbitol products fall far below those limits set forth in USP 29, 2006 <467>. Based on our knowledge of the manufacturing process there is no potential for any other solvents listed to be present.

We are happy to provide this information. If you have any questions please do not hesitate to contact our Decatur office. The toll free number is 800/553-8411.

The information contained herein is correct as of the date of this document to the best of our knowledge. Any recommendations or suggestions are made without guarantee or representation as to results and are subject to change without notice. We suggest you evaluate any recommendations and suggestions independently. We disclaim any and all warranties, whether express or implied, and specifically disclaim the implied warranties of merchantability, fitness for a particular purpose and non-infringement. Our responsibility for claims arising from any claim for breach of warranty, negligence or otherwise shall not include consequential, special or incidental damages, and is limited to the purchase price of material purchased from us. None of the statements made here shall be construed as a grant, either express or implied, of any license under any patent held by ADM or other parties. Customers are responsible for obtaining any licenses or other rights that may be necessary to make, use or sell products containing ADM ingredients.



ADM Technical Services 4666 Faries Parkway

4666 Faries Parkway Decatur, IL 62526 Phone: 217/451-7418 Fax: 217/451-2473

March 2, 2010

Subject: Regarding MSG and ADM Sorbitol Products

To Whom It May Concern:

ADM Sorbitol is made from the catalytic hydrogenation of Corn Dextrose sugar using a nickel catalyst; it is manufactured on dedicated lines in a closed system. Monosodium Glutamate (MSG) is not used in the manufacture of Sorbitol nor is it expected to be found in the finished product, consequently, testing is not performed for presence of MSG in our sorbitol products.

We are happy to provide this information to you. Please do not hesitate to contact our Technical Services office if you have questions or need additional information. The toll free number here in Decatur is 1-800-553-8411

Sincerely, ADM Technical Service

The information contained herein is correct as of the date of this document to the best of our knowledge. Any recommendations or suggestions are made without guarantee or representation as to results and are subject to change without notice. We suggest you evaluate any recommendations and suggestions independently. We disclaim any and all warranties, whether express or implied, and specifically disclaim the implied warranties of merchantability, fitness for a particular purpose and non-infringement. Our responsibility for claims arising from any claim for breach of warranty, negligence or otherwise shall not include consequential, special or incidental damages, and is limited to the purchase price of material purchased from us. None of the statements made here shall be construed as a grant, either express or implied, of any license under any patent held by ADM or other parties. Customers are responsible for obtaining any licenses or other rights that may be necessary to make, use or sell products containing ADM ingreaters.



ADM Technical Services | 4666 Faries Parkway, Decatur IL 62526 P: 800.238.9026 | F: 217.451.2153 | CPTechService@adm.com

## **Nanotechnology Statement**

Archer Daniels Midland (ADM) does not use nanotechnology in the production of any of our corn derived products. If you have any questions, please do not hesitate to contact us.

**ADM Technical Services** 



ADM Technical Services | 4666 Faries Parkway, Decatur IL 62526 P: 800.238.9026 | F: 217.451.7574 | CPTechService@adm.com

## **Conflict Mineral Declaration**

In July 2010, the United States Securities and Exchange Commission adopted the Dodd-Frank Reform and Consumer Protection Act (herein referred to as the "Act"). This Act requires U.S. companies to disclose, on an annual basis, whether any "Conflict Minerals" are necessary to the functionality or production of any of their products (see §1502 of the Act). A "Conflict Mineral" is considered to be any of the following minerals or their derivatives originating in the Democratic Republic of the Congo (the "DRC") or any of the adjoining countries with which the DRC shares a recognized international border:

- Tin (cassiterite)
- Tantalum (columbite-tantalite)
- Tungsten (Wolframite)
- Gold

ADM complies with all national and other applicable laws and regulations. We are committed to keeping our supply chain free from conflict minerals which are covered by laws and regulations concerning the sourcing of minerals from conflict areas.

Based on currently available information, ADM does not use conflict minerals originating in the Democratic Republic of the Congo and its adjoining countries.



November 20, 2015

RE: Code of Conduct and Ethics

Thank you for your recent inquiry. Archer Daniels Midland Company is committed to integrity in the conduct of all its business affairs and has implemented an integrity program to ensure achievement of this commitment. Attached, please find a copy of ADM's Business Code of Conduct and Ethics implemented by ADM and distributed to its employees. In this Code, ADM employees are informed of the objective to operate ADM's business in accordance with the highest ideals of character and business conduct. In addition, the Code states our policy to abide by the national and local laws of the countries in which we operate. ADM is committed to operating its business in accordance with all applicable laws and regulations, including those relative to environmental protection, food safety, labor and individual employee rights. We hope this material will satisfy your company that ADM is committed to integrity in its business.

Because of the values and integrity program that ADM has itself implemented, it has determined that wholesale acceptance and adoption of values and principles from other companies is inappropriate and would elevate form over substance. Therefore, ADM requests that you accept this information as confirmation that our company meets the criteria you have set for your Company's suppliers and to serve as a substitute for acceptance by ADM of your Code of Conduct.

Regards,

Patty Pagel

Director, Quality & Technical Service

patty.pagel@adm.com

217-451-2314



ADM Technical Services | 4666 Faries Parkway, Decatur IL 62526 P: 800.238.9026 | F: 217.451.2153 | CPTechService@adm.com

## **Sorbitol Solution Elemental Impurities Statement**

As part of our continued effort to provide customers with information on compliance to USP-NF monograph requirements, we have tested ADM Sorbitol Solution for the Elemental Impurities listed in USP <232>. We selected a representative number of lots as our sample data set and submitted samples to our ADM Analytical Research Laboratory. Results were achieved using Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) following AOAC 2013.06 methodology. In the table below, the elemental impurities established in USP <232> are listed.

ADM plans to conduct testing on a quarterly basis for Sorbitol Solution as part of our continued effort to better understand our process as it relates to Elemental Impurities and to provide customers assurance that our products will be compliant with USP <232>.

Elemental Impurity		Class	Likely to	be Present		Lowest Permitted Concentration USP <232> Table 3*	If Known, Please Identify the Expected Concentration /Units (or Range)*
Arsenic (inorganic)	As	1	Yes ⊠	No 🗆	Unknown	0.2 μg/g	0.4 μg/kg
Cadmium	Cd	1	Yes 🗆	No ⊠	Unknown □	0.2 μg/g	
Mercury (inorganic)	Hg	1	Yes □	No ⊠	Unknown 🗆	0.1 μg/g	
Lead	Pb	1	Yes □	No ⊠	Unknown 🗆	0.5 μg/g	
Cobalt	Со	2A	Yes □	No ⊠	Unknown □	0.3 μg/g	
Nickel	Ni	2A	Yes ⊠	No 🗆	Unknown □	0.5 μg/g	11.5 μg/kg
Vanadium	V	2A	Yes □	No ⊠	Unknown □	0.1 μg/g	
Silver	Ag	2B	Yes □	No ⊠	Unknown □	0.7 μg/g	
Gold	Au	2B	Yes □	No ⊠	Unknown □	0.1 μg/g	
Iridium	Ir	2B	Yes □	No ⊠	Unknown □	0.1 μg/g	
Osmium	Os	2B	Yes □	No ⊠	Unknown □	0.1 μg/g	
Palladium	Pd	2B	Yes □	No ⊠	Unknown □	0.1 μg/g	
Platinum	Pt	2B	Yes □	No ⊠	Unknown □	0.1 μg/g	
Rhodium	Rh	2B	Yes □	No ⊠	Unknown □	0.1 μg/g	
Ruthenium	Ru	2B	Yes 🗆	No ⊠	Unknown □	0.1 μg/g	
Selenium	Se	2B	Yes □	No ⊠	Unknown □	13 μg/g	
Thallium	Tl	2B	Yes □	No ⊠	Unknown □	0.8 μg/g	
Barium	Ва	3	Yes ⊠	No 🗆	Unknown □	30 μg/g	6.0 μg/kg
Chromium	Cr	3	Yes 🗆	No ⊠	Unknown □	0.3 μg/g	
Copper	Cu	3	Yes ⊠	No 🗆	Unknown □	3.0 μg/g	14.0 μg/kg
Lithium	Li	3	Yes □	No ⊠	Unknown 🗆	2.5 μg/g	
Molybdenum	Мо	3	Yes ⊠	No □	Unknown □	1.0 μg/g	0.8 μg/kg
Antimony	Sb	3	Yes □	No ⊠	Unknown 🗆	2.0 μg/g	
Tin	Sn	3	Yes □	No ⊠	Unknown 🗆	6.0 μg/g	

<sup>\*</sup>Please note that the lowest limit concentrations are given in parts per million ( $\mu g/g$ ) values and the known/expected concentrations are given in parts per billion ( $\mu g/kg$ ) values. In USP <232> Table 3, the permitted concentrations in oral, parenteral and inhalation applications are listed. The lowest permitted concentration given in USP <232> is in the Inhalation category.

Date Approved 2017-12-21

Version 1.0 Document # CBU.TS.SSMI.001