

Scientific Documentation

Dextrose, Anhydrous, USP, EP, BP, JP, bioCERTIFIED (TM)

Not appropriate for regulatory submission.

Please visit www.spectrumchemical.com or contact Tech Services for the most up-to-date information contained in this information package.

Spectrum Chemical Mfg Corp 769 Jersey Avenue New Brunswick, NJ 08901 Phone 732.214.1300





Table of Contents

Product Specification Certificate of Analysis Safety Data Sheet (SDS) Certification of Current Good Manufacturing Practices (cGMP) Manufacturing Process Flowchart Technical Statements Elemental Impurities Statement Residual Solvents Statement General Label Information – Sample Label



Specification for Dextrose, Anhydrous, USP, EP, BP, JP, bioCERTIFIED (TM) (D9350)

Item Number	D9350
Item	Dextrose, Anhydrous, USP, EP, BP, JP, bioCERTIFIED (TM)
CAS Number	50-99-7
Molecular Formula	C ₆ H ₁₂ O ₆
Molecular Weight	180.20
MDL Number	
Synonyms	D-Glucose ; Glucose ; Corn Sugar

Test	Specification		
	Min	Max	
APPEARANCE			
ASSAY (JP)	99.5	101.0 %	
ASSAY (ANHYDROUS BASIS; EP, BP, USP)	97.5	102.0%	
Acidity (JP)	RED COLOR DEVELOPS		
LOSS ON DRYING (JP)		1.0 %	
Water (USP, EP, BP)		1.0 %	
COLOR AND CLARITY OF SOLUTION	CLEAR NO MORE COLOR THAN STANDARD		
RESIDUE ON IGNITION (JP)		0.1 %	
CONDUCTIVITY (USP, EP, BP)		20 µS/cm	
RELATED SUBSTANCES (USP, EP, BP):			
MALTOSE AND ISOMALTOSE		0.4 %	
MALTOTRIOSE		0.2 %	
FRUCTOSE		0.15 %	
UNSPECIFIED IMPURITY		0.10 %	
TOTAL IMPURITIES		0.5 %	
Chloride (Cl, JP)		0.018 %	
Sulfate (SO4, JP)		0.024 %	
Arsenic (As, JP)		1.3 ppm	
ELEMENTAL IMPURITIES		AS REPORTED	

Test	Specification	n
	Min	Max
HEAVY METALS (JP)		4 ppm
DEXTRIN	SAMPLE DISOLVES COMPLETELY	
SOLUBLE STARCH, SULFITES (USP, EP, BP)		15 ppm
SOLUBLE STARCH AND SULFITE (JP)	SOLUTION IS YELLOW	
MICROBIAL LIMITS:		
BACTERIAL ENDOTOXINS		2.5 EU/g
TOTAL AEROBIC MICROBIAL COUNT		1000 CFU/g
TOTAL YEASTS AND MOLDS COUNT		100 CFU/g
IDENTIFICATION (A) USP	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B) USP	RETENTION TIME MATCH STANDARD	
IDENTIFICATION (C) USP		1.0 %
IDENTIFICATION (A) EP	+52.5 to +53.3°	
IDENTIFICATION (C) EP	CHROMATOGRAM MATCHES STANDARD	
IDENTIFICATION (D) EP	NO RED COLOUR DEVELOPS	
IDENTIFICATION E (EP)		1.0 %
IDENTIFICATION (JP)	RED PRECIPITATE FORM	
CERTIFIED KOSHER		
CERTIFIED HALAL		
EXPIRATION DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
MONOGRAPH EDITION.		
MONOGRAPH EDITION		
RESIDUAL SOLVENTS		AS REPORTED

Spectrum Chemical Mfg Corp

Corporate Headquarters:	West Coast Facility:
769 Jersey Ave.	14422 S. San Pedro St.
New Brunswick, NJ 08901	Gardena, CA 90248
732.214.1300	310.516.8000



Certificate Of Analysis

Item Number	D9350	Lot Number	4MK0032
Item	Dextrose, Anhydrous, USP, EP, BP, JP, bioCERTIFIED (TM)	CAS Number	50-99-7
Molecular Formula	C ₆ H ₁₂ O ₆	Molecular Weight	180.20

TECT	SPECIFICATION		
TEST	MIN	MAX	RESULT
APPEARANCE			WHITE POWDER
ASSAY (JP)	99.5	101.0 %	100.1 %
ASSAY (ANHYDROUS BASIS; EP, BP, USP)	97.5	102.0%	98.8 %
Acidity (JP)	RED COLOR DEVELOPS		RED COLOR DEVELOPS
LOSS ON DRYING (JP)		1.0 %	0.5 %
Water (USP, EP, BP)		1.0 %	0.13 %
COLOR AND CLARITY OF SOLUTION	CLEAR NO MORE COLOR THAN STANDARD		CLEAR NO MORE COLOR THAN STANDARD
RESIDUE ON IGNITION (JP)		0.1 %	0.02 %
CONDUCTIVITY (USP, EP, BP)		20 µS/cm	1.4 μS/cm
RELATED SUBSTANCES (USP, EP, BP):			
MALTOSE AND ISOMALTOSE		0.4 %	0.0 %
MALTOTRIOSE		0.2 %	0.0 %
FRUCTOSE		0.15 %	0.0 %
UNSPECIFIED IMPURITY		0.10 %	0.0 %
TOTAL IMPURITIES		0.5 %	0.0 %
Chloride (Cl, JP)		0.018 %	<0.018 %
Sulfate (SO4, JP)		0.024 %	<0.024 %
Arsenic (As, JP)		1.3 ppm	<0.05 ppm
ELEMENTAL IMPURITIES		AS REPORTED	COMPLIES WITH STANDARD
HEAVY METALS (JP)		4 ppm	<4 ppm

TEST	SPECIFIC	CATION	RESULT
	MIN	MAX	RESULI
DEXTRIN	SAMPLE DISOLVES COMPLETELY		SAMPLE DISSOLVES COMPLETELY
SOLUBLE STARCH, SULFITES (USP, EP, BP)		15 ppm	<15 ppm
SOLUBLE STARCH AND SULFITE (JP)	SOLUTION IS YELLOW		SOLUTION IS YELLOW
MICROBIAL LIMITS:			
BACTERIAL ENDOTOXINS		2.5 EU/g	<2.4 EU/g
TOTAL AEROBIC MICROBIAL COUNT		1000 CFU/g	<100 CFU/g
TOTAL YEASTS AND MOLDS COUNT		100 CFU/g	<10 CFU/g
()	SPECTRUM MATCHES REFERENCE		SPECTRUM MATCHES REFERENCE
IDENTIFICATION (B) USP	RETENTION TIME MATCH STANDARD		RETENTION TIME MATCHES STANDARD
IDENTIFICATION (C) USP		1.0 %	0.13 %
IDENTIFICATION (A) EP	+52.5 to +53.3°		+52.7°
IDENTIFICATION (C) EP	CHROMATOGRAM MATCHES STANDARD		CHROMATOGRAM MATCHES STANDARD
IDENTIFICATION (D) EP	NO RED COLOUR DEVELOPS		NO RED COLOUR DEVELOPS
IDENTIFICATION E (EP)		1.0 %	0.13 %
IDENTIFICATION (JP)	RED PRECIPITATE FORM		RED PRECIPITATE FORM
CERTIFIED KOSHER			CERTIFIED KOSHER
CERTIFIED HALAL			CERTIFIED HALAL
EXPIRATION DATE			14-MAY-2026
DATE OF MANUFACTURE			15-MAY-2022
MONOGRAPH EDITION			USP 2023
MONOGRAPH EDITION.			BP 2023
MONOGRAPH EDITION			EP 11, JP 18
RESIDUAL SOLVENTS		AS REPORTED	NO RESIDUAL SOLVENT PRESENT

Certificate of Analysis Results Entered By:

GHERRERA Genaro Herrera 24-JAN-24 05:45:49

Spectrum Chemical Mfg Corp 777 Jersey Avenue New Brunswick 08901 NJ Certificate of Analysis Results Approved By:

MCAMACHO Matheu Camacho 24-JAN-24 08:50:47



All pharmaceutical ingredients are tested using current edition of applicable pharmacopeia.

Read and understand label and SDS before handling any chemicals. All Spectrum's chemicals are for manufacturing, processing, repacking or research purposes by experienced personnel only. It is the customer's responsibility to provide adequate hazardous material training and ensure that appropriate Personal Protective Equipment (PPE) is used before handling any chemical.

SAFETY DATA SHEET

Revision date 06-October-2022

1. Identification	
Product identifier	
Product Name	Dextrose, Anhydrous, USP, EP, BP, JP, bioCERTIFIED™
Other means of identification	
Product Code(s)	D9350
Synonyms	None
Recommended use of the chemical	and restrictions on use
Recommended use	No information available
Restrictions on use	No information available
Details of the supplier of the safety	data sheet
<u>Supplier Address</u> Spectrum Chemical Mfg. Corp. 14422 South San Pedro St. Gardena, CA 90248 (310) 516-8000	
Emergency telephone number	
Emergency Telephone	Chemtrec 1-800-424-9300
2. Hazard(s) identification	
<u>Classification</u>	
Combustible dust	Yes
Hazards not otherwise classified (H Not applicable	
Label elements	
Warning	

Revision Number 1

Appearance Powder or Crystalline powder or granules

May form combustible dust concentrations in air

Hazard statements

Physical state Solid

Odor Odorless

Precautionary Statements - Prevention Keep away from all ignition sources including heat, sparks, and flame Keep container closed and grounded Prevent dust accumulations to minimize explosion hazard

Other information No information available.

3. Composition/information on ingredients

Substance

Chemical name	CAS No	Weight-%
Glucose (Dextrose), Anhydrous	50-99-7	100

4. First-aid measures

Description of first aid measures

Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water.
Ingestion	Clean mouth with water and drink afterwards plenty of water.
Most important symptoms and effects, both acute and delayed	
Symptoms	No information available.
Indication of any immediate medica	I attention and special treatment needed
Note to physicians	Treat symptomatically.
5. Fire-fighting measures	

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	Avoid generation of dust. Fine dust dispersed in air may ignite.
Hazardous combustion products	Carbon Monoxide, Carbon Dioxide.
Explosion data Sensitivity to mechanical impac	t none.
Sensitivity to static discharge	yes.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation. Avoid generation of dust. Avoid contact with eyes. Use personal protective equipment as required. Do not breathe dust. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharges.	
Other information	Refer to protective measures listed in Sections 7 and 8.	
Methods and material for containment and cleaning up		
Methods for containment	Prevent further leakage or spillage if safe to do so. Prevent dust cloud.	
Methods for cleaning up	Take up with inert, damp, non-combustible material using clean non-sparking tools and place into loosely covered plastic containers for later disposal. Pick up and transfer to properly labeled containers.	

7. Handling and storage Precautions for safe handling			
Conditions for safe storage, inc	luding any incompatibilities		
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.		

8. Exposure controls/personal protection

Control parameters

Exposure Limits The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Appropriate engineering controls

Engineering controls	Showers
	Eyewash stations
	Ventilation systems.

Individual protection measures, such as personal protective equipment

- **Eye/face protection** Wear safety glasses with side shields (or goggles).
- Skin and body protection No special protective equipment required.

 Respiratory protection
 No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

 General hygiene considerations
 Do not breathe dust.

9. Physical and chemical properties

Information on basic physical and o	chemical properties		
Physical state	Solid		
Appearance	Powder or Crystalline powder or granules		
Color	White		
Odor	Odorless		
Odor threshold	No information available		
Dreparty	Values	Domarka . Mathad	
Property	<u>Values</u> no data available	Remarks • Method None known	
pH Molting point (freezing point	146 °C / 294.8 °F	None known	
Melting point / freezing point		None known	
Boiling point / boiling range	no data available no data available	None known	
Flash point	no data available	None known	
Evaporation rate		None known	
Flammability (solid, gas)	no data available	None known	
Flammability Limit in Air		None known	
Upper flammability or explosive	No data available		
limits	Ne dete evelleble		
Lower flammability or explosive limits	No data available		
Vapor pressure	No data available	None known	
Vapor density	no data available	None known	
Relative density	1.544	None known	
Water solubility	Freely soluble in water	None known	
Solubility(ies)	Very slightly soluble in Methanol	None known	
	Slightly soluble in Acetone		
	Slightly soluble in Acetone		
	Soluble in pyridine		
Partition coefficient	No data available	None known	
Autoignition temperature	no data available	None known	
Decomposition temperature		None known	
Kinematic viscosity	no data available None known		
Dynamic viscosity	No data available	None known	
Dynamic viscosity			
Other information			
Explosive properties	No information available		
Oxidizing properties	No information available		
Softening point	No information available		
Molecular weight	180.16		
VOC Content (%)	No information available		
Liquid Density	No information available		
Bulk density	No information available		

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Excessive heat. Heating in air. dust formation.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

.

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.	
Eye contact	Specific test data for the substance or mixture is not available.	
Skin contact	Specific test data for the substance or mixture is not available.	
Ingestion	Specific test data for the substance or mixture is not available.	
Symptoms related to the physical, o	chemical and toxicological characteristics	
Symptoms	No information available.	
Acute toxicity		

Numerical measures of toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Glucose (Dextrose), Anhydrous 50-99-7	= 25800 mg/kg(Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Serious eye damage/eye irritation Respiratory or skin sensitization Germ cell mutagenicity	No information available. No information available. No information available. No information available.
Reproductive toxicity	No information available.
STOT - single exposure STOT - repeated exposure Aspiration hazard	No information available. No information available. No information available.
Other adverse effects	No information available.
Interactive effects	No information available.

12. Ecological information

Ecotoxicity	The environmental impact of this product has not been fully investigated.
Persistence and degradability Bioaccumulation	No information available. Inherently biodegradable.
Other adverse effects	No information available.

Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

14. Transport information

DOT	not regulated
TDG	not regulated
<u>MEX</u>	not regulated
ICAO (air)	not regulated
IATA	not regulated
IMDG	not regulated
RID	not regulated
ADR	not regulated
ADN	not regulated

15. Regulatory information

International Inventories

TSCA

Complies

DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	This product complies with ENCS:
IECSC	This product complies with China:
KECL	Complies
PICCS	Complies
AICS	All the constituents of this material are listed on the Australian Inventory of Chemical
	Substances (AICS).

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

 $\ensuremath{\textbf{KECL}}\xspace$ - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA

Health hazards0Flammability1Instability0Physical and chemical properties-HMIS1Health hazards0Flammability0Physical hazards0Personal protectionX

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION					
TWA	TWA (time-weighted averag	ge) ST	ΓEL	STEL (Short Term Exposure Limit)	
Ceiling	Maximum limit value				

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database European Food Safety Authority (EFSA) EPA (Environmental Protection Agency) Acute Exposure Guideline Level(s) (AEGL(s)) U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency High Production Volume Chemicals Food Research Journal Hazardous Substance Database International Uniform Chemical Information Database (IUCLID) Japan GHS Classification Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS) NIOSH (National Institute for Occupational Safety and Health) National Library of Medicine's ChemID Plus (NLM CIP) National Library of Medicine's PubMed database (NLM PUBMED) National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID) Organization for Economic Co-operation and Development Environment, Health, and Safety Publications Organization for Economic Co-operation and Development High Production Volume Chemicals Program Organization for Economic Co-operation and Development Screening Information Data Set World Health Organization

Revision date06-October-2022Revision NoteNo information available.Disclaimer

The information provided in this 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 guidance 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.

End of Safety Data Sheet



Certification of Compliance with current Good Manufacturing Practices

Dear Valued Customer:

Spectrum Chemical Mfg Corp certifies that the following product(s) is produced, processed, packaged and held in compliance with current Good Manufacturing Practices (cGMP) in accordance with the applicable parts of 21 CFR, parts 210 and 211 of the Code of Federal Regulations.

Catalog Number	Product Name
D9350	Dextrose, Anhydrous, USP, EP, BP, JP, bioCERTIFIED ™

Spectrum is an FDA registered and inspected Drug Establishment. Our United States Food and Drug Administration (USFDA) Registration numbers are as follows:

Spectrum-Gardena, CA:	2020632
Spectrum-New Brunswick, NJ:	2246824

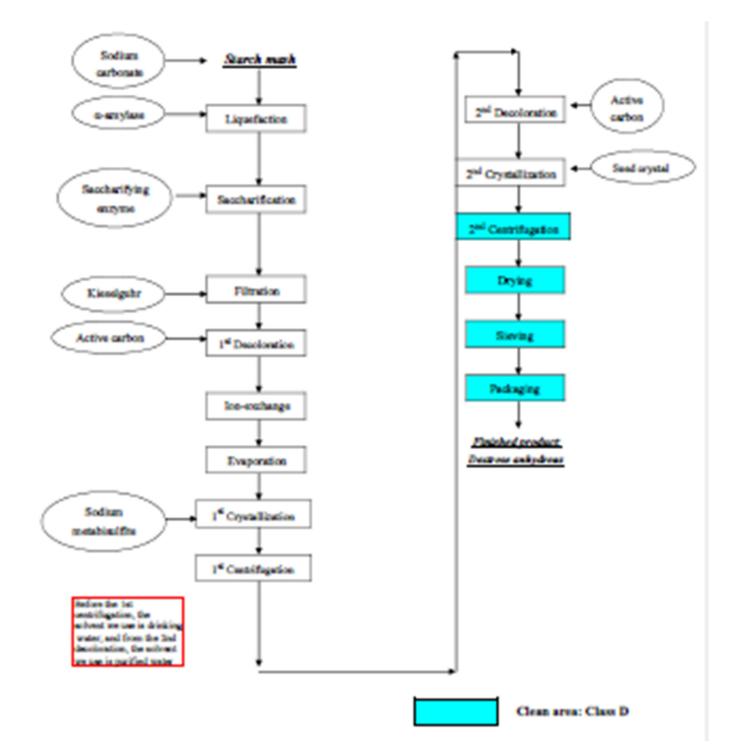
Thank you for your interest in Spectrum products. If we may be of further assistance, please feel free to contact the Quality Assurance department at 310-516-8000 or via email at qualityassurance@spectrumchemical.com

Sincerely, Quality Assurance Spectrum Chemical Mfg. Corp.

This document has been produced electronically and is valid without a signature.



Manufacturing Process Flowchart - Dextrose, Anhydrous, USP, EP, BP, JP, bioCERTIFIED [™] (Catalog No. D9350)





D9350, Dextrose, Anhydrous, USP, EP, BP, JP, bioCERTIFIED

TΜ

Source Statement

The above-mentioned catalog item is manufactured from plant derived material (Corn Starch). No animal derived products are used in the manufacturing process.

BSE/TSE Statement

The above-mentioned catalog item does not contain nor is manufactured using any animal derived products and is therefore BSE/TSE free.

Allergen Statement

The above-mentioned catalog item does not contain any of the following:

- Milk
- Egg
- Fish
- Shellfish
- Tree Nuts
- Wheat
- Peanuts

- Cereals containing Gluten
- Celery
- Mustard
- Sesame Seed
- Soy
- Latex
- Sulfites > 10 ppm

EU Fragrance Allergen Statement

The above-mentioned catalog item does not contain any of the 26 EU fragrance allergens listed in Annex III lines 67-92. These substances are not intentionally added to the following chemical and therefore, are not expected to be present.

GMO Statement

The above-mentioned catalog item is manufactured without the use of genetically modified organisms and is therefore GMO free.

Melamine Statement

The above-mentioned catalog does not use or add melamine to the manufacturing process and is considered melamine-free.

Nitrosamine Statement

Based on knowledge of the manufacturing process, nitrosamine impurities are not known or suspected to be present in the above-mentioned material.

Animal Testing Statement

The above-mentioned catalog item has not been tested on animals.



Organic Compliance Statement

The above-mentioned catalog item has not been produced using GMOs, irradiation, ethylene oxide (EtO) or sewage sludge.

Shelf Life Statement

The above-mentioned catalog item is typically assigned a shelf life of 48 months from the date of manufacture. The actual assigned shelf life for any specific lot should be referenced on the Certificate of Analysis.

Other Chemicals Statement

Spectrum does not have any reason to suspect the above-mentioned catalog item contains any of the following chemicals. This product does not come into contact with these chemicals during packaging or storage:

- Aflatoxins
- Antibiotics
- Bisphenol A (BPA)
- CMR Substances

- Parabens
- Pesticides
- Phthalates
- Preservatives



Elemental Impurities Dextrose, Anhydrous, USP, EP, BP, JP, bioCERTIFIED™ (Catalog No. D9350)

To Whom It May Concern:

Thank you for your interest in Spectrum high quality chemicals.

The above material complies with the USP<232>, <233> Elemental Impurities and the ICH Q3D Elemental Impurities Guideline. No Class 1, Class 2A, Class 2B or Class 3 elemental impurities are likely to be present. These substances are not used in the production process, are not intentionally added, or known to be present in the above-mentioned material.

This information is subject to change and is intended for risk assessment only. It is the responsibility of the end user to evaluate suitability of any chemical for the intended use as well as to assess compound-specific limits of daily intake of metal impurities. For lot specific information, please refer to the respective Certificate of Analysis.

If you have any further questions, please contact us by telephone at 1(800)772-8786 Option 2, or by email at TechServices@spectrumchemical.com.

Sincerely, Technical Services Spectrum Chemical Mfg. Corp.

This document has been produced electronically and is valid without a signature.



Residual Solvents - Dextrose, Anhydrous, USP, EP, BP, JP, bioCERTIFIED [™] (Catalog No. D9350)

To Whom It May Concern:

Thank you for your interest in Spectrum high quality chemicals.

The above-mentioned catalog item complies with the requirements of USP <467> Residual Solvents and ICH Q3C Residual Solvents Guideline. No Class 1, Class 2, Class 3 or other solvents are used or produced in the manufacture of this product.

For lot-specific information, please refer to the respective Certificate of Analysis.

If you have any further questions, please contact us by telephone at 1(800)772-8786 Option 2, or by email at TechServices@spectrumchemical.com.

Sincerely, Technical Services Spectrum Chemical Mfg. Corp.

This document has been produced electronically and is valid without a signature.

spectrum®

Label Information

The Spectrum label presents technical and safety information in an easily understood format. Our technical specialists stay abreast of the latest requirements of the Globally Harmonized System for Classification and Labelling of Chemicals (GHS), as well as the Occupational Safety and Health Administration (OSHA), the Food and Drug Administration (FDA) and other government regulatory agencies in order to ensure compliance, accuracy and concise hazard communication. Below you will find a typical label example for this catalog item.



Spectrum Chemical Mfg Corp

Corporate Headquarters:

769 Jersey Ave. New Brunswick, NJ 08901 West Coast Facility: 14422 S. San Pedro St. Gardena, CA 90248

732.214.1300

310.516.8000