

100 Matsonford Rd., Suite 200 Radnor, PA 19087 1 855 282 6867 www.avantorsciences.com

# Sucrose

# **Product Regulatory Data Sheet**

#### Section 1 – Product Information

#### **Products Covered**

<u>Brand</u>	<u>Product</u> <u>Code</u>	Product Description	MOC* code
J.T.Baker®	6321	Sucrose, NF Multi-Compendial	R *MOC = Management of Change

# Section 2 – Manufacturing, Packaging and Release Site Information

The products in Section 1 are manufactured according to current Good Manufacturing Practices (cGMPs) as set forth by International Pharmaceutical Excipients Council (IPEC) guidelines.

A number of the cGMP produced products that are sold by Avantor Performance Materials, LLC may not be originally manufactured at our sites. However, we perform the analytical and stability testing for these products and repackage the products where applicable. With ISO and cGMP procedures in place at our facilities we can ensure, and take complete responsibility for, the traceability and quality of the finished, packaged product that we offer.

The original manufacturer and address will be referenced on the Certificate of Analysis as an alpha or alpha-numeric manufacturer code rather than listing the full name and address. This practice is compliant with both ICH Q7 Good Manufacturing Guidance for Active Pharmaceutical Ingredients (APIs) and IPEC guidelines and it meets cGMP requirements. For instructions to decipher the manufacturer reference code please consult our website. Instructions can be found in the Ask Avantor Q&A Center of the customer support section of our web site or by directly linking to www.askavantor.com Keyword: Manufacturer Code.

# Section 3 – Physical/Chemical Information

CAS #: 57-50-1

Manufacturing Process: Purification

Raw Material Origin: Plant - Beet Derived



### Section 4 – Regulatory Information

**Compendial Compliance:** Please see the current product specifications at www.avantorsciences.com.

**DMF:** Avantor Performance Materials LLC may hold Master File(s) for specified product codes, dependant on the country of interest. Inquire with <a href="mailto:regulatory.support@avantorsciences.com">regulatory.support@avantorsciences.com</a> for additional details.

BSE/TSE Status: The subject materials are manufactured from raw materials that contain NO animal parts, products, and/or by-products nor do they come in contact with animal parts, products, and/or by-products

Allergen/Hypersensitivities Information: To the best of our knowledge the allergens listed in the <u>US FDA</u>, <u>EU Directive 2003/89/EC</u>, and <u>TG0-91/92</u> are not known additives, by products, intermediate parts, or otherwise intentionally added during the manufacturing processes of the product.

Neither Avantor Performance Materials, LLC nor the Original Manufacturer produce any of the following types of products: Antibiotics, Aflatoxins, Penicillin, Semi-Synthetic Penicillins, Cephalosporins, other Beta-Lactams, Steroids, Medicated Feeds, or Pesticides.

This product is manufactured and packaged using cGMP guidelines which provide controls that allow no potential for cross contamination of any allergens or other contaminants. However, this product is not tested for the presence of these or any other allergens by Avantor Performance Materials, LLC or the Original Manufacturer, therefore, we do not have confirmation for the absence of any allergens in the product.

**GMO Information:** The subject materials, including any raw materials and processing aids, are NOT subject to genetic modification.

Residual Solvents/Organic Volatile Impurities (OVI) Information: The subject materials (all lots) comply with the requirements of the ICH Q3C Residual Solvents Guideline and USP<467>Residual Solvents. Only the Class 2 solvent Methanol and the Class 3 solvent Ethanol and Isopropanol are likely to be present. Each is tested and the concentration reported for each batch. No other Class 1, 2, 3 or other solvents are used or produced in the manufacturing or purification of the product.

**Elemental Impurities:** Please see attached summary for Elemental Impurity information for listed products.

**Kosher Status:** The subject materials are not Kosher Certified. Please refer to the customer support section of our website for our most up to date listing of Kosher products. (<u>www.askavantor.com</u> Keyword: Kosher)



**Halal Status:** The subject materials are not Halal Certified. Please refer to the customer support section of our website for our most up to date listing of Halal products. (<u>www.askavantor.com</u> Keyword: Halal)

GRAS Status: CAS # 57-50-1 has not been assessed as GRAS under CFR parts 181, 182, 184 or 186.

#### Section 5 – Miscellaneous Product Information

Certificate of Analysis Date Format: The Manufactured Date and Expiration/Retest Date on the C of A are reported as YYYY/MM/DD from our ERP system effective April 30, 2012. For example, the Manufactured Date for October 1, 2012 would be reported as 2012/10/01.

Prior to ERP implementation, the Release Date on the C of A was reported as MM/DD/YYYY. For example, the Release Date for October 1, 2012 would have been reported as 10/01/2012.

**Lot Numbering System and Batch Description:** Please refer to the customer support section of our website for information concerning our lot/batch numbering system. (<a href="www.askavantor.com">www.askavantor.com</a> Keyword: Lot Number)

**Batch Definition**: A "batch" is a homogeneous unit of production; each batch of is from one single batch of the source supplier.

Shelf Life Information: If a product has an assigned expiration or retest period, the date will appear on the certificate of analysis. For products that do not have assigned dates please contact Technical Support through the customer support section of our website for our product stability profiles. (<a href="https://www.askavantor.com">www.askavantor.com</a> Keyword: Expiration)

**Management of Change:** Please refer to the customer support section of our website for information concerning our Management of Change program. (<a href="www.askavantor.com">www.askavantor.com</a> Keyword: MOC)

**Country of Origin Statement:** Country of Origin is indicated on the product Certificate of Analysis. Please contact our Trade Compliance if you require further documentation (<u>Trade.Compliance@avantorsciences.com</u>).

Storage Requirements: Please refer to the product Certificate of Analysis/Product Specifications. In the absence of specific storage conditions listed on the Avantor specification sheet or certificate of analysis, our products are to be stored in ambient conditions of temperature and humidity. We do not formally tie any specific temperature or humidity range with the 'ambient' storage designation, but an example of a common temperature interpretation is 15-30°C. Our products are also packaged to protect from the normal variation in humidity during storage and shipment. Further handling and storage information may be found in Section 7 of the product SDS sheet.



#### Section 6 – Revision History

Rev. 0; Jan. 9, 2015 – IPEC EIP format. (MCH)

Rev. 1; Feb. 9, 2016 – Section 1: update product name. (MCH)

Rev. 2; July 3, 2017 –Entire document update to new format; Section 4: Added Elemental Impurities

information. (MCH)

Rev. 3; March 18, 2020 - Entire document: new format, letterhead (company name, logo &

headquarters address); 7: Added email @avantorsciences.com (TW)

Rev. 4; September 27, 2021 – Entire Document: Minor formatting. Reviewed in accordance with NPSU-2724 and MOC-PLT-3021; Section 4: Updated formats of Allergen/Hypersensitivities

Information, Residual Solvents/Organic Volatile Impurities (OVI) Information, and GRAS Status statements. Content of information did not change. (KH)

This electronic document is valid without a signature.

# Section 7 - Contact Information

# **Customer Service**

Phone: 1-855-282-6867

1-610-573-2600 (outside U.S.)

Fax: 1-610-573-2650

CS.Specialist@avantorsciences.com

#### **Technical Service**

Phone: 1-855-282-6867

1-610-573-2600 (outside U.S.)

Fax: 1-610-573-2650

Technical.Service@avantorsciences.com

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The most current revision of this document is maintained on our website. Reviews and revisions are performed as warranted due to product changes or as part of the supplier audit cycle

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Material Name: Sucrose (beet	t derived) Product codes: 63	21 <u>Date</u> : September 29, 2016	
Source/Type of Excipient:	☐ Mineral; ☐ Mineral derived; ☐	☐ Plant; ☑ Plant derived; ☐ Synthetic;	☐ Fermentation derived
Other (explain):			

Elemental Impurity		Class	Likely to be Present			If Known, Please Identify the Expected Concentration /Units (or Range)	Analytical Method Used (and Limit of Detection if Available)	Comments regarding source of information (i.e.; number of lots tested, frequency of testing, process understanding, etc.)
Arsenic (inorganic)	As	1	Yes 🗌	No 🛚	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Cadmium	Cd	1	Yes 🗌	No ⊠	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Mercury (inorganic)	Hg	1	Yes 🗌	No 🛚	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Lead	Pb	1	Yes 🗌	No 🖂	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Cobalt	Со	2A	Yes 🗌	No 🖂	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Nickel	Ni	2A	Yes 🗌	No 🖂	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Vanadium	V	2A	Yes 🗌	No 🖂	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Silver	Ag	2B	Yes 🗌	No 🖂	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Gold	Au	2B	Yes 🗌	No 🛚	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Iridium	Ir	2B	Yes 🗌	No 🛚	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Osmium	Os	2B	Yes 🗌	No ⊠	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches



Elemental Impurity		Class	Likely to be Present			If Known, Please Identify the Expected Concentration /Units (or Range)	Analytical Method Used (and Limit of Detection if Available)	Comments regarding source of information (i.e.; number of lots tested, frequency of testing, process understanding, etc.)
Palladium	Pd	2B	Yes 🗌	No ⊠	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Platinum	Pt	2B	Yes 🗌	No ⊠	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Rhodium	Rh	2B	Yes 🗌	No ⊠	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Ruthenium	Ru	2B	Yes 🗌	No ⊠	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Selenium	Se	2B	Yes 🗌	No ⊠	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Thallium	TI	2B	Yes 🗌	No ⊠	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Barium	Ва	3	Yes 🗌	No ⊠	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Chromium	Cr	3	Yes 🗌	No ⊠	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Copper	Cu	3	Yes 🗌	No ⊠	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Lithium	Li	3	Yes 🗌	No ⊠	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Molybdenum	Мо	3	Yes 🗌	No ⊠	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Antimony	Sb	3	Yes 🗌	No ⊠	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches
Tin	Sn	3	Yes 🗌	No ⊠	Unknown 🗌	<0.05 ppm	ICP-MS (MRL=0.05 ppm)	Avg. of 3 batches

Reference: ICH Q3D Guideline for Elemental Impurities, Step 4 version, September 2014



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Prepared by the Technical Service Department

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