

PRODUCT TECHNICAL DATA SHEET**Bio-based Succinic Acid Food Grade – N 99.5%**PTDS# 004
September 15, 2017
Version: 8**Description**

BioAmber's Succinic Acid Food Grade-N is registered under REACH (01-21 198961 14-34-0011), is produced by bioconversion of non-GMO vegetable raw materials and can be labeled according to articles 3(2)(c) and (k) of Regulation (EC) No 1334/2008 regarding **natural flavoring substances**. It also meets the NF and FCC monograph standards for purity. It is on the Everything Added to Food in the United States list (EAFUS, REGNUM # 172.861), and is accepted as a food additive and a food flavor in the US (21 CFR 184.1091). BioAmber's Succinic Acid Food Grade-N was reviewed under GRAS Notice No. GRN 000552 and included in FDA's GRAS Notice Inventory.

Characteristics:

CAS Number:	110-15-6	Mercury:	< 1 mg/kg
EINECS Number:	203-740-4	Lead:	< 1 mg/kg
Molecular Weight:	118.09 g/mol	Arsenic:	<1 mg/kg
Melting Point:	185°C - 190°C	Purity:	>99.5% (Titration NaOH)
Boiling Point:	235°C	Moisture:	≤0.5%
Appearance:	White Crystalline Powder	Other Organic Acids:	<0.1%

Storage/Coding/Transportation

BioAmber's Bio-based Succinic acid shelf life is 2 years from production date and should be stored indoors in its unopened original package in a dry and well-ventilated space.

Lot coding is found on the package.

For transportation this is not dangerous goods as per US DOT, IMDG or IATA

Manufacturing Facility:

BioAmber Sarnia Inc.
1201 Vidal Street South
Sarnia, Ontario N7T 7M2
CANADA
Phone: +1-519-344-0065

E-mail: Sarnia.CustomerService@bio-amber.com

Package Size

1,000-kg bag

500-kg bag*

25-kg bag

* - Subject to availability

Safety Data Sheet

Product SDS/eSDS are available on our website at www.bio-amber.com and/or upon request at Sarnia.CustomerService@bio-amber.com

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NYSE: BIOA

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1,000kg Bag



Package Size:	1,000-kg polypropylene bag
Bag Dimensions:	41"W, 41"L, 49"H 104cm W, 104cm L, 125cm H
Product Net Weight:	1,000kg
Pallet Dimensions:	44"W, 44"L, 5"H 112cm W, 112cm L, 13cm H

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500kg Bag



Package Size:	500-kg polypropylene bag
Bag Dimensions:	36"W, 36"L, 39"H 92cm W, 92cm L, 99cm H
Product Net Weight:	500kg
Pallet Dimensions:	44"W, 44"L, 5"H 112cm W, 112cm L, 13cm H

25kg Bag



Package Size:	25-kg Kraft paper bag
Product Net Weight:	1,000 kg Full pallet = 40 bags
Pallet Dimensions:	44"W, 44"L, 5"H 112cm W, 112cm L, 13cm H