

**PRODUCT TECHNICAL DATA SHEET****Bio-based Succinic Acid Pharmaceutical Grade 99.0%** PTDS# 007  
September 15, 2017  
Version: 2**Description**

Succinic acid is registered under REACH (01-2119896114-34-0011). Succinic acid also meets the NF and FCC monograph standards for purity. Bio-based succinic acid was reviewed under GRAS Notice No. GRN 000552 and included in FDA's GRAS Notice Inventory. Succinic acid is USDA BioPreferred®.

**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:	185.0°C – 190.0°C	Purity:	99.0 – 100.5 % (Titration NaOH)
Boiling Point:	235°C	Moisture:	≤0.5%
Residue on ignition	≤0.025 %		
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](mailto: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](http://www.bio-amber.com) and/or upon request at [Sarnia.CustomerService@bio-amber.com](mailto:Sarnia.CustomerService@bio-amber.com)

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## PRODUCT TECHNICAL DATA SHEET

### 1,000kg Bag



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

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### 500kg Bag



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

### 25kg Bag



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