

MALTOSWEET™ 12A

1610001212620, 1610001212600, 16100012

Product Description : This product is a purified spraydried maltodextrin obtained by hydrolysis of starch. It is a white to light yellow powder with a moderate sweet taste and typical odour. This product complies to the Food Chemical Codex and to the European Pharmacopeia monographs on Maltodextrin.

Appearance: powder

Color: White To Light Yellow

Odor: Bland

Quality Inspection Plan (Official Specification Values)

Parameter	Target	Range/ Attribute	Unit	Method
Moisture		0.00 - 5.00	%	Oven - A0102 (Ref. ISO 1741)
DE		11.00 - 14.00		Lane-Eynon - A0201 (Ref. ISO 5377)
Dextrose on DS	1.00		%	HPLC - A0210 (Ref. ISO 10504)
Maltose on DS	4.00		%	HPLC - A0210 (Ref. ISO 10504)
Triose on DS	6.00		%	HPLC - A0210 (Ref. ISO 10504)
Higher sugars on DS	89.00		%	HPLC - A0210 (Ref. ISO 10504)
SO2		<= 10.00	mg/kg	Iodine titration - A0901 (Ref. CRA E-67/)
pH		4.00 - 5.50		pH - A0922 (Ref. CRA F-42)
Bulk density compacted		500.0 - 650.0	g/dm3	Gravimetric - A1101
Bulk density loose		450.0 - 600.0	g/dm3	Gravimetric - A1101
Conductivity, 28 Brix		<= 100.00	µS/cm	Conductivity meter - A1202
Yeasts		<= 50	n/10g	Pour plate - A1923
Moulds		<= 50	n/10g	Pour plate - A1923
Total mesophylic count		<= 1000	n/10g	Pour plate - A1924

Product Composition / Labeling

Maltodextrin

Regulatory Status

Compliance Statement:

- This product complies with the requirements of EU Directives and Regulations in force on foods and food ingredients. Prospective purchasers are advised to conduct their own tests, studies and regulatory review to determine the fitness of Tate & Lyle products for their particular purposes, product claims or specific application.

Country of Origin

Country of Manufacture: Slovakia

Kosher Status

Certified Kosher: Yes

Certified Kosher for Passover: No

The above-mentioned ingredient or its components is certified Kosher by:

- London Beth Din Kashrut Division (KLBD)

Halal Status

Certified Halal: Yes

Vegetarian Status

Vegetarian: Suitable

Vegan: Suitable

Ovo-Vegetarian: Suitable

Lacto-Vegetarian: Suitable

Lacto-Ovo-Vegetarian: Suitable

Presence of Allergens

If present in this Tate & Lyle ingredient, allergens will be denoted as "Present" in the table below.

Allergen	Status
Crustacean & Shellfish	Absent
Mollusk	Absent
Fish	Absent
Egg	Absent
Milk (including Lactose)	Absent

Peanut & Oils	Absent
Soybean & Oils	Absent
Gluten Containing: Wheat, Rye, Barley, Oats, Spelt, Kamut, Triticale	Absent
Seeds, Sesame & Oils	Absent
Celery/Celeriac	Absent
Mustard	Absent
Lupin	Absent
Tree Nuts, Almond	Absent
Tree Nuts, Brazil	Absent
Tree Nuts, Cashew	Absent
Tree Nuts, Chestnut	Absent
Tree Nuts, Coconut and Oils	Absent
Tree Nuts, Hazelnut / Filbert	Absent
Tree Nuts, Hickory	Absent
Tree Nuts, Macadamia	Absent
Tree Nuts, Pine	Absent
Tree Nuts, Pistachio	Absent
Tree Nuts, Queensland	Absent
Tree Nuts, Walnut	Absent
Buckwheat	Absent
Bee Pollen/ Propolis	Absent
Royal Jelly	Absent
Pork	Absent
Peach	Absent
Tomato	Absent
Sulfur Dioxide and Sulfite > 10 ppm	Absent

Meaning of Present/Absent/Present-Exempt

Present - Intentionally added during the production process.

Absent - Not intentionally added during the production process.

Present-Exempt - Intentionally added during the production process, however have been given exemption from being required to be labeled on the final package.

The above list of allergens is in accordance with all applicable EU and US legal requirements.

Additional allergen information is available in the Product Information Sheet for MALTOSWEET™ 12A

GMO Status

The above-mentioned ingredient is considered Non-GMO

For additional information regarding the GM status of the above-mentioned ingredient, please refer to the Product Information Sheet.

Storage Conditions

Container	Storage Temperature	Storage conditions to achieve maximum shelf life
Bulk, Super Sack	20 °C	Clean, dry area, ambient temperature. Away from odorous materials.

Shelf Life

Package	Shelf Life	Sulfur Dioxide and Sulfite Level
Bulk, Super Sack	730 Days	< 10 ppm

Organic Statement

Certified for Organic Labeling: No

For more information please consult the Product Information Sheet for MALTOSWEET™ 12A

Nutritional Information

Nutritional Information	Nutrients Per 100 Grams
Energy	1.615,0000 kj
Calories	380 kcal
Total Fat	0 g
Saturated Fat	0 g
Carbohydrate	95 g
Sugars	5,2 g
Protein	0 g
Salt	0 g

Supplier Information

Name: Tate & Lyle
Address: 919 08 Boleráz 114

Main Phone: Slovakia
+421 (33) 5561 601
Main Fax: +421 (33) 5561 602
www.tateandlyle.com

Disclaimer

THIS INFORMATION IS PROVIDED IN GOOD FAITH AND IS BELIEVED TO BE ACCURATE, BUT IS INTENDED FOR INFORMATIONAL PURPOSES ONLY AND NOT AS A RECOMMENDATION OR ENDORSEMENT. PRODUCT NAMES ARE NOT NECESSARILY DESCRIPTIVE OR INDICATIVE OF COMPOSITION OR FUNCTION. TATE & LYLE CANNOT ANTICIPATE OR CONTROL HOW THIS INFORMATION COULD BE USED. THEREFORE, YOU SHOULD NOT RELY ON IT FOR ANY LEGAL POSITION OR REGULATORY ASPECT, BUT YOU SHOULD CONDUCT INDEPENDENT INQUIRY, RESEARCH, AND TESTING BEFORE USING THE INFORMATION, INCLUDING, WITHOUT LIMITATION, THE DESIGNATION OF PRODUCT CLAIMS. TATE & LYLE DISCLAIMS ALL LIABILITY FOR ANY LOSS OR DAMAGE, TO THE FULLEST EXTENT PERMITTED BY LAW, INCLUDING LOSSES OR DAMAGES CAUSED BY CLAIMS OF INTELLECTUAL PROPERTY INFRINGEMENT. ALL WARRANTIES ARE HEREBY DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND OF MERCHANTABILITY. THIS INFORMATION IS CONFIDENTIAL AND DISCLOSURE OR DISTRIBUTION IS PROHIBITED.