

**Product Information Sheet**  
**FRUCTOPURE™ 50A**  
**300000000190**

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## 1. Supplier Information

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Name: Tate & Lyle  
Address: 919 08 Boleráz 114  
Slovakia  
Main Phone: +421 (33) 5561 601  
Main Fax: +421 (33) 5561 602  
www.tateandlyle.com

## 2. Emergency Contacts

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During office hours: +421 33 5561 601  
After office hours: +90 322 355 40 65  
After Hours Emergency: +90 322 355 40 18  
+90 322 355 40 22

## 3. Product Information

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**Common Name:** Crystal Fructose  
**Material Number:** 15100050  
**Specification Number:** 300000000190  
**CAS Number:** 57-48-7  
**EINECS Number:** 200-333-3  
**21 CFR References:**

**Food Grade:** Yes  
**Appearance:** powder  
**Color:** White  
**Odor:** Bland

## 4. Regulatory Status

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- 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

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tests, studies and regulatory review to determine the fitness of Tate & Lyle products for their particular purposes, product claims or specific application.

## 5. Ingredient Statement

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Fructose

## 6. Quality Documents

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Quality documents (Specification, Technical Data Sheet, MSDS & Nutritional) available upon Request.

## 7. Kosher/Halal Status

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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)

Certified Halal: Yes

## 8. Allergen Status

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

Allergen	Status
	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.

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

Additional allergen information:

- Although all reasonable care has been taken in managing allergen risk, the above statement should not be considered as a guarantee or claim of "free of...".

## **9. Sulfur Dioxide and Sulfite Level**

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The sulfur dioxide and sulfite level for above-mentioned ingredient or its components is:

<u>Package</u>	<u>Sulfur Dioxide and Sulfite Level</u>
Bulk, Bag, Super Sack	< 10 ppm

## **10. Gluten Status**

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This product is not either originating from gluten containing cereals or not identified as containing gluten and complies with the applicable EU and US legal requirements based on real-time PCR gluten test methodology. It can be safely used in foodstuffs for people intolerant to gluten.

## **11. GMO Statement**

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Tate & Lyle certifies that the above mentioned product is produced from non GMO sources therefore it is not considered to be genetically modified organisms under EC regulations 1829 and 1830/2003.

## **12. Irradiation, ETO and Sewage Sludge**

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The above-mentioned ingredient or its components have not been produced and handled with the use of:

1. treatment with ionizing radiation
2. exposure to ethylene oxide
3. sewage or sludge.

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## 13. Organic Statement

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- Products manufactured at this Tate & Lyle facility are not designated as Organic.

## 14. Diet Suitability

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Vegetarian: Suitable

Vegan: Suitable

Ovo-Vegetarian: Suitable

Lacto-Vegetarian: Suitable

Lacto-Ovo-Vegetarian: Suitable

## 15. Bovine Spongiform Encephalopathies (BSE) /Transmissible Spongiform Encephalopathies (TSE)

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1. This ingredient does not contain ingredients of animal origin.
2. If processing aids are contained in this ingredient, the processing aids are not derived from animal origins.
3. Prior to the manufacture of this ingredient, no ingredients of animal origin are present in equipment.

## 16. Sudan I – IV Dyes Content

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- The above-mentioned ingredient or its components do not contain Sudan azo dyes (this includes Sudan I, Sudan II, Sudan III and Sudan IV, which is also known as scarlet red).

## 17. Country of Origin

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The above-mentioned ingredient or its components is manufactured in the following country:  
Turkey

## 18. Shelf Life

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The expected shelf life for the ingredient based on being stored under the proper storage conditions:

<u>Package</u>	<u>Shelf Life</u>
Bulk, Bag, Super Sack	540 Days

## **19. Transportation Information/Storage Conditions**

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### **Storage Conditions**

<u>Container</u>	<u>Storage Temperature</u>	<u>Storage conditions to achieve maximum shelf life</u>
Bulk, Bag, Super Sack	20 °C	Clean, dry area, ambient temperature. Away from odorous materials. At <60% Relative Humidity

## **20. Lot Code Explanation**

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Batch Numbering Scheme:

### PACKED PRODUCTS

PPYYM9NNNN

PP - Plant ID

YY - Last two digits of the year (2012)

M - Month (A, B, C, D, E, F, G, H, I, J, K, L for Jan - Dec)

9NNNN - Plant related sequential number

Example: KO12G91130

KO - Plant ID for Tate & Lyle Netherlands

12 - Last two digits of the year (2012)

G - Month, July

91130 - Plant related sequential number

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## BULK DELIVERIES

PPYYMNNNNN

PP - Plant ID

YY - Last two digits of the year (2012)

M - Month (A, B, C, D, E, F, G, H, I, J, K, L for Jan - Dec)

NNNNN - Plant related sequential number

Example: KO12G00001

## **21. Certificate of Analysis**

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- Certificates of Analysis are available by request.

## **22. current Good Manufacturing Practices (cGMP)**

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- The process used for the production of this product is operated based on Tate & Lyle's procedures, quality guidelines, HACCP programs and Good Manufacturing Practices. This operation complies with the FDA Good Manufacturing Practices detailed in 21 CFR 110 for Food Manufactures, and those referenced in the European Commission Regulation (EC) No. 852/2004 on hygiene of foodstuff.

## **23. Guarantee (Continuing)**

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- Available upon request.

## **24. HACCP/Flowchart**

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- Available upon request.

## **25. Audit Information**

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- Third Party audits are performed annually at Tate & Lyle locations. Information available upon request.

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## **26. Emergency/Recall Procedures**

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- Please be assured that Tate & Lyle has a written Recall Procedure. In the event of an actual recall, Tate & Lyle will notify all customers who have received affected product. Mock Recalls are conducted at least annually.

## **27. Bioterrorism**

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- Tate and Lyle is in compliance with 21 CFR Part 1-Registration of Food Facilities, and Maintenance and Inspection of Records for Foods, under Public Health Security and Bioterrorism Preparedness and Response Act of 2002. Due to concerns with security, our legal department limits giving out the plant number unless there is an imperative border crossing issue.

## **28. Pest Control**

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- Tate & Lyle employs outside contractors to provide routine pest control service.

## **29. Pesticides**

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- Tate & Lyle has an ongoing pesticide monitoring program.

## **30. Proposition 65**

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- The State of California enacted the Safe Drinking Water and Toxic Enforcement Act of 1986 ("Proposition 65"), which "prohibits any person in the course of doing business from knowingly and intentionally exposing any individual to a chemical known to the State of California to cause cancer or reproductive toxicity without first giving clear and reasonable warning to such individuals." In our effort to satisfy the requirements of this law, independent laboratory analyses were obtained for those products which we manufacture or formulate for sale to you. The results of this analysis confirmed that there are no chemicals regulated under Proposition 65, other than naturally occurring chemicals, detectable in our products using standard analytical methods.



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