

Modified Starch

 $Specification\,code$

MS/1/PB

Date 14/06/2024

Basic information

| Appearance | Powder |
|----------------------|------------|
| Colour | White |
| Odor | Starch |
| Solubility Statement | Negligible |

Quality Inspection Plan (Official Specification Values)

| Parameter | Range/ Attribute | Unit | Method |
|-------------------------|------------------|------------|--------------------------------------|
| MOISTURE | 10.0 - 14.0 | % | MOISTURE - TN46550 |
| рН | 4.5 - 6.0 | | pH - TN60520 |
| FOREIGN MAT, VISUAL | <= 10 | ppm | Foreign Matter - TN32555 |
| ASH | <= 0.60 | % | Ash - TN09560 |
| SO2 | <= 10 | ppm | Sulfur Dioxide - TN80015 |
| COLOR | <= 10 | | Color - TN22568 |
| FLAVOR | Pass | g/50ml | Flavor - TN31060 |
| ODOR | Pass | | Odor - TN52560 |
| RVA VISC FINAL | 1050 - 1470 | cps | RVA Viscosity - TN90683 |
| BACTERIA TOTAL | <= 7500 | CFU/g | Total Plate Count - TN10560 |
| MOLD | <= 100 | CFU/g | Mold & Yeast - TN47010 |
| YEAST | <= 100 | CFU/g | Mold & Yeast - TN47010 |
| THERMOPHILES, TOT | <= 150 | CFU/10g | Thermophilic Spores (NFPA) - TN16010 |
| FLAT SOURS | <= 75 | CFU/10g | Thermophilic Spores (NFPA) - TN16010 |
| SULFIDE SPOR | <= 5 | CFU/10g | Thermophilic Spores (NFPA) - TN16010 |
| GAS FORMERS | <= 4 | per 6 tube | Thermophilic Spores (NFPA) - TN16010 |
| MESOPHILIC AEROBIC SPRS | <= 499 | CFU/g | Mesophilic Aerobic Spores - TN10580 |

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Formulated

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| Parameter | Range/ Attribute | Unit | Method |
|------------------------------|------------------|-------|---------------------------------------|
| MESOPHILIC ANAEROBIC SPRS | <= 3.9 | MPN/g | Mesophilic Anaerobic Spores - TN10584 |
| COLIFORMS | <= 3 | MPN/g | Coliforms - TN10510 |
| E. COLI/g | None Detected | | Coliforms - TN10510 |
| SALMONELLA/25g | Negative | | Salmonella - TN10547 |
| COAGULASE POS STAPH | Negative | | Coagulase Positive Staph TN10549 |

Ingredient Statement

United States, Korea: Food Starch Modified

China, Japan: Hydroxypropyl Distarch Phosphate Indonesia: Hydroxypropyl Distarch Phosphate E1442/INS1442 EU: Modified Starch JECFA: Hydroxypropyl Distarch Phosphate INS1442, Labelling regulations may vary from one country to another, please consult with your own regulatory personnel when determining how to label your finished product.

Regulatory Status

Compliance Statement:

- Complies with FDA Regulation 21CFR172.892 as Food Starch Modified.
- Complies with China GB Standards GB29931-2013.
- Complies with Japan's Specifications and Standards for Food Additives, 8th edition.
- Complies with Indonesia Food Codex 1979 and 2001.
- Complies with Article 3C, Korea Food Additive Code (2015).
- Complies with the requirements of EU Directives and regulations in force on foods and food additives E1442, EINECS#610-966-0.
- Complies with JECFA Monograph 16 (2014) INS1442.
- Meets all specifications as defined in the Food Chemical Codex.

Food Additives Number:

INS 1442, E 1442

Country of Manufacture

United States

Kosher Status

| Certified Kosher: | Yes |
|---|---------------------|
| Certified Kosher for Passover | No |
| The above-mentioned product or its components is certified Kosher by: | Orthodox Union (OU) |

Vegetarian Status

| Vegetarian | Suitable |
|----------------------|----------|
| Vegan | Suitable |
| Ovo-Vegetarian | Suitable |
| Lacto-Vegetarian | Suitable |
| Lacto-Ovo-Vegetarian | Suitable |

Halal Status

| Certified Halal: | Yes |
|------------------|-----|
| | |

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Presence of Allergens

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

| Allergen | Status |
|---|--------|
| Crustacean Shellfish | Absent |
| Mollusk/Mollusc | Absent |
| Fish | Absent |
| Egg | Absent |
| Milk (including Lactose) | Absent |
| Peanut | Absent |
| Soybean | Absent |
| Wheat | Absent |
| Gluten containing grains: Wheat, rye, barley, oats, spelt, kamut, triticale, and products thereof | Absent |
| Seeds, Sesame | Absent |
| Celery/Celeriac | Absent |
| Mustard | Absent |
| Lupin/Lupine | Absent |
| Tree Nuts | Absent |
| Buckwheat | Absent |
| Bee Pollen/Propolis | Absent |
| Royal Jelly | Absent |
| Pork | Absent |
| Peach | Absent |
| Tomato | Absent |
| Latex (Natural) | Absent |
| Sulphur Dioxide and Sulphite > 10 ppm (mg/kg) | Absent |

This allergen declaration complies with pertinent regulations in countries where this product is manufactured and sold. It pertains to the listed allergen and products thereof, as allowed by applicable local regulations. Consult with your company regulatory experts regarding allowed exceptions.

Additional allergen information:

The above-mentioned product does not originate from substances having allergenic properties for which labeling is required as defined in the Food Allergen Labeling and Consumer Protection Act of 2004 (Public Law 108-282, Title II). Specific allergens listed in this Act are milk, eggs, fish (e.g., bass, flounder, cod), Crustacean shellfish (e.g., crab, lobster, shrimp), tree nuts (e.g., almonds, walnuts, pecans), peanuts, wheat, and soybeans.

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GMO Statement

This material is considered not genetically modified/engineered. This material is exempt from labelling as "genetically modified" according to the requirements of Regulations (EC) No. 1829/2003 and No. 1830/2003. For additional information regarding the GM status of the above-mentioned product, please refer to the Product Information Sheet.

Storage Conditions

| Container | Storage conditions to achieve maximum shelf life |
|--------------------|--|
| Bag, Multiwall Bag | Store at ambient temperature and humidities. Storage in a cool, dry area will increase shelf life. |

Organic Statement

| Certified for Organic Labeling: | No |
|---------------------------------|----|
|---------------------------------|----|

Shelf Life

| Package | Shelf Life | Sulfur Dioxide and Sulfite Level |
|--------------------|------------|----------------------------------|
| Bag, Multiwall Bag | 730 Days | < 10 ppm |

Nutritional Statement

| Nutritional Information | Nutrients Per 100 g |
|-------------------------|---------------------|
| Calories | 354 kcal |
| Total fat | 0 g |
| Saturated fat | 0 g |
| Trans fat | 0 g |
| Cholesterol | 0 mg |
| Sodium | 200.0 mg |
| Total carbonhydrate | 88.5 g |
| Dietary fiber | 0 g |
| Total sugars | 0 g |
| Protein | 0.16 g |
| Vitamin D | 0 μg (0 IU) |
| Calcium | 0 mg |
| Iron | 0.1 mg |
| Potassium | 0 mg |
| Moisture | 12.0 g |
| Ash | 0.6 g |

United States Format

Note: A value of 0 means this product is not a significant source of this nutrient

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| Nutritional Information | Nutrients Per 100 g |
|-------------------------|---------------------|
| Energy | 1,473 kJ |
| Calories | 354 kcal |
| Total Fat | 0 g |
| Saturated fat | 0 g |
| Carbonhydrate | 88.5 g |
| Sugars | 0 g |
| Protein | 0.16 g |
| Salt | |

European Union Format

Note: A value of 0 means this product is not a significant source of this nutrient.

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