

TECHNICAL DATA



| | |
|--|---|
| PRODUCT NAME: | LoSweet 100 |
| ICON FOODS PRODUCT CODE NUMBER: | 1524 |
| DESCRIPTION: | LoSweet 100 is equally as sweet as sugar. The combination of Erythritol and Monk Fruit Extract creates a product with 0 calories per gram that will provide bulk while achieving deep calorie reductions. Erythritol occurs naturally in a wide variety of foods, including many fruits and fermented foods. Its sweetening profile is similar to sucrose with a slight cooling sensation. Monk Fruit Extract delivers low-calorie natural sweetness and great taste. Consumers trust and associate fruit with healthy great-tasting sweetness. Non-browning, LoSweet 100 is ideal for use in a variety of applications including confectionery, dairy products, and baked goods. |
| COMPOSITION: | Erythritol, monk fruit extract. |
| COUNTRY OF ORIGIN: | United States |
| ALLERGENS: | LoSweet 100 does not contain any commonly known sources of allergens. Labeling is not required under the FDA Food Allergen Labeling and Consumer Protection Act of 2004 or EU Directive 2007/68/EC |
| KOSHER: | LoSweet 100 is kosher certified. |
| BSE: | No animal derived ingredients are used in the production of LoSweet 100. |
| LABELING: | LoSweet 100 complies with limits established for residual pesticides as per USP <561>. LoSweet 100 may be labeled as a “natural” ingredient under the regulations of the U.S. FDA and FTC. |
| PACKAGING & RECOMMENDED STORAGE CONDITIONS: | LoSweet 100 comes in a 25 kg box/bag. LoSweet 100 should be stored in a cool & dry location in ambient conditions, not to exceed 85 degrees Fahrenheit. For long term storage, please keep refrigerated. Shelf life is 36 months when stored under recommended conditions. |
| REMARKS: | This item is a raw material for commercial use only. |

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TECHNICAL DATA (CONT.)

PRODUCT NAME: LoSweet 100



| PARAMETERS | SPECIFICATIONS | METHODS |
|---------------------------------|------------------|----------------------------|
| ERYTHRITOL | ≥ 95% | AOAC 982.14 |
| MOGROSID V | ≤ 5% | Internal Method |
| APPEARANCE | Powder | Visual Inspection |
| COLOR | Off-White/Golden | Visual Inspection |
| LOSS ON DRYING | ≤ 5.0% | USP/NF 731 |
| SWEETNESS (COMPARED TO SUCROSE) | 1 | ISO 5492:2008 |
| RESIDUE ON IGNITION | ≤ 5.0% | USP31<281> |
| MESH SIZE | 80 – 120 mesh | ASTM C136/C136M |
| pH (20°C) | 5.0 – 7.0 | AOAC 973.41 |
| METHANOL | ≤ 200 ppm | EPA 5021 |
| ETHANOL | ≤ 5000 ppm | EPA 5021 |
| TOTAL HEAVY METALS | ≤ 10 ppm | AOAC 993.14 |
| LEAD | ≤ 1 ppm | AOAC 993.14 |
| CADMIUM | ≤ 0.2 ppm | AOAC 993.14 |
| ARSENIC | ≤ 1 ppm | AOAC 993.14 |
| MERCURY | ≤ 1 ppm | AOAC 993.14 |
| TOTAL PLATE COUNT | ≤ 1000 cfu/g | US Pharmacopeia Chapter 60 |
| <i>E. COLI</i> | Negative/10g | US Pharmacopeia Chapter 60 |
| COLIFORMS | ≤ 10 cfu/g | US Pharmacopeia Chapter 60 |
| YEAST & MOLD | ≤ 100 cfu/g | US Pharmacopeia Chapter 60 |
| SALMONELLA | Negative/25g | US Pharmacopeia Chapter 60 |




Thomas J. King
Icon Foods, Inc.

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CERTIFICATE OF ANALYSIS

PRODUCT NAME: LoSweet 100



LOT CODE: 1524 UU YY MM DD BB MANUFACTURE DATE: MM/DD/YYYY BEST BY: MM/DD/YYYY

INGREDIENTS: Erythritol, monk fruit extract.

| ITEMS | STANDARD | RESULTS | TEST METHOD |
|---------------------------------|------------------|----------|----------------------------|
| ERYTHRITOL | ≥ 95% | Complies | AOAC 982.14 |
| MOGROSIDE V | ≤ 5% | Complies | Internal Method |
| APPEARANCE | Powder | Complies | Visual Inspection |
| COLOR | Off-White/Golden | Complies | Visual Inspection |
| LOSS ON DRYING | ≤ 5.0% | Complies | USP/NF 731 |
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| SALMONELLA | Negative/25g | Complies | US Pharmacopeia Chapter 60 |

Oregon department of agriculture, food safety division establishment #88294
 FDA food manufacturing facility #xxxxxxx6608
 Remarks: This item is a raw material for commercial use only.
 Storage: Store in a cool & dry location, not to exceed 85-degree Fahrenheit.
 For long term storage, please keep refrigerated.

ISSUED BY:

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COUNTRY OF ORIGIN STATEMENT

Oregon Department of Agriculture, Food Safety Division Establishment #88294

Compliant with JECFA guidelines

This letter is to certify that LoSweet 100 sold by Icon Foods, Inc. at the Portland, Oregon, USA facility, is manufactured in the United States.

If you have any questions, please contact Icon Foods Quality Assurance Division at 310-455-9876.

A handwritten signature in blue ink, appearing to read "TJ King".

Thomas J. King
Icon Foods, Inc.

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INGREDIENT STATEMENT**PRODUCT INGREDIENT LIST****PRODUCT NAME: LoSweet 100****PRODUCT NUMBER: 1524**

| INGREDIENTS | % RANGE COMPOSITION |
|--------------------|----------------------------|
| Erythritol | ≥ 90% |
| Monk Fruit Extract | ≤ 5% |

MANUFACTURING FACILITY:**ICON FOODS, INC.**
19250 NE PORTAL WAY
PORTLAND, OR 97230
P: 310.455.9876

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100G NUTRITIONAL SPECIFICATIONS

PRODUCT NAME: LoSweet 100

NUTRITIONAL FACTS

| | | |
|--------------------------|--------|-----|
| Calories | 0 kcal | |
| Total Fat | 0 g | 0% |
| Saturated Fat | 0 g | 0% |
| Trans Fat | 0 g | |
| Cholesterol | 0 mg | 0% |
| Sodium | 0 mg | 0% |
| Total Carbohydrate | 100 g | 36% |
| Dietary Fiber | 0 g | 0% |
| Total Sugars | 0 g | |
| Includes 0g Added Sugars | | 0% |
| Protein | 0 g | |
| Vitamin D | 0 mcg | 0% |
| Calcium | 5 mg | 0% |
| Iron | 0 mg | 0% |
| Potassium | 33 mg | 0% |

*The % Daily Value tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.

CARBOHYDRATES AMOUNTS PER 100G

| | |
|--------------------|--------|
| Total Carbohydrate | 99.70g |
| Dietary Fiber | 0.0g |
| Starch | 0.0g |
| Sugars | 0.0g |
| Sugar Alcohols | 99.70g |

FATS & FATTY ACIDS AMOUNTS PER 100G

| | |
|-------------------------|------|
| Total Fat | 0.0g |
| Saturated Fat | 0.0g |
| Monounsaturated Fat | 0.0g |
| Polyunsaturated Fat | 0.0g |
| Total Trans Fatty Acids | 0.0g |

PROTEIN & AMINO ACIDS AMOUNTS PER 100G

| | |
|---------|------|
| Protein | 0.0g |
|---------|------|

CARBOHYDRATES AMOUNTS PER 100G

| | |
|------------------------------|--------|
| Vitamin A | 0.0 IU |
| Vitamin C | 0.0 mg |
| Vitamin D | 0.0 IU |
| Vitamin E (Alpha Tocopherol) | 0.0 mg |

MINERALS AMOUNTS PER 100G

| | |
|-----------|---------|
| Calcium | 5.2 mg |
| Iron | 0.1 mg |
| Potassium | 33.3 mg |
| Sodium | 1.5 mg |

OTHER AMOUNTS PER 100G

| | |
|-------|---------|
| Water | ≤ 1.0 g |
| Ash | ≤ 1.0 g |

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SAFETY DATA SHEET

PRODUCT NAME: LoSweet 100

ICON FOODS, INC. – USA | PRODUCT #: 1524

CAS REGISTRY NUMBER: 149-32-6/88901-36-4

OREGON DEPARTMENT OF AGRICULTURE, FOOD & SAFETY DIVISION ESTABLISHMENT #88294

FDA FOOD MANUFACTURING FACILITY #*****6608

COMPLIANT WITH JECFA GUIDLINES

IDENTIFICATION: Commercial Name: LoSweet 100
 Manufacturer: Icon Foods, Inc.

COMPOSITION: Erythritol, monk fruit extract.
 CAS# 149-32-6/88901-36-4
 Risk Phrases: None
 Safety Phrases 25-26: Not Mandatory

HAZARDS: Not classified as dangerous according to directive 67/548/EEC or its amendments.

FIRST AID MEASURES: Eye Contact: Wash with water or standard eye wash solution. Seek medical advice if irritation occurs and persists.
 Oral Ingestion: Essentially edible in small quantity with bland to bitter sweet aftertaste
 Skin Contact: Wash with water and mild soap.

FIRE FIGHTING MEASURES: Non-combustible and presents no special fire hazard
 Extinguishing media: N/A
 Protective Equipment: Standard equipment

ACCIDENTAL RELEASE MEASURES: Absorb into an inert material and scrape up. Remove residue by scrubbing with hot water or detergent solution.

HANDLING & STORAGE: Store in a cool & dry location in ambient conditions, not to exceed 85 degrees Fahrenheit. For long term storage, please keep refrigerated.

EXPOSURE & PERSONAL PROTECTION: In accordance with good industrial practice and handling, use standard eye protection.

| | | |
|--|-----------------------------------|---|
| PHYSICAL & CHEMICAL PROPERTIES: | Physical Form: Crystalline powder | Explosive Properties: -- |
| | Color: Off-white/golden | pH (100% Concentrate): -- |
| | Odor: -- | Oxidizing Properties: -- |
| | Boiling Point: -- | Vapor Pressure: -- |
| | Melting Point: -- | Density: -- |
| | Viscosity @ 20 degree C: -- | Water Solubility: Soluble |
| | Flash Point: -- | Other Solubility: In most Basic Food Grade Solvents |
| | Flammability Solid/Gas: -- | Partition Coefficient: -- |
| | Auto Flammability: -- | (Octanol/Water): -- |
| | Specific Refractive: -- | Explosive Limits: -- |

STABILITY & REACTIVITY: Thermal Decomposition: Stable under normal conditions of use.

TOXICOLOGICAL DATA: Oral: Essentially non-toxic and edible in small quantity.
 Dermal: Expected to be essentially non-toxic.

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ECOLOGICAL INFORMATION:

Inhalation: Slight Ethanolic Sting – irritation

Toxic Effects: None

Eye: Very Mild/Minimal – Not a transient Conjunctival Irritant at 10% concentrate in water (Eyetex classification).

Biodegradation: Expected to be ultimately biodegradable.

Fish Toxicity: No Data.

DISPOSAL CONDITIONS:

Dispose of according to local, state, and federal regulations.

TRANSPORT INFORMATION:

UN Number: N/A

UN Name: Not Assigned

IMDG Code/Class: Not Hazardous

IMDG Code Page No: N/A

ICAO/IATA Air Class: Non-Hazardous

ICAO/IATA Air Class Packing Group: N/A

RID/ADR Class: Non-Hazardous

ADNR Class: Non-Hazardous

REGULATORY INFORMATION:

Occupational Exposure Limits: N/A

OTHER INFORMATION:

Supplementary Dietary/Food Use: FDA GRAS Status within the USA

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VERSION HISTORY

| VERSION # | DATE | REVISIONS | APPROVAL |
|-----------|------|-----------|----------|
| | | | |

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