

TECHNICAL DATA



<b>PRODUCT NAME:</b>	LoSweet
<b>ICON FOODS PRODUCT CODE NUMBER:</b>	1523
<b>DESCRIPTION:</b>	LoSweet 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 is ideal for use in a variety of applications including confectionery, dairy products, and baked goods.
<b>COMPOSITION:</b>	Erythritol, monk fruit extract.
<b>COUNTRY OF ORIGIN:</b>	United States
<b>ALLERGENS:</b>	LoSweet 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
<b>KOSHER:</b>	LoSweet is kosher certified.
<b>BSE:</b>	No animal derived ingredients are used in the production of LoSweet.
<b>LABELING:</b>	LoSweet complies with limits established for residual pesticides as per USP <561>. LoSweet may be labeled as a “natural” ingredient under the regulations of the U.S. FDA and FTC.
<b>PACKAGING &amp; RECOMMENDED STORAGE CONDITIONS:</b>	LoSweet comes in a 25 kg box. LoSweet 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.
<b>REMARKS:</b>	This item is a raw material for commercial use only.

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TECHNICAL DATA (CONT.)

PRODUCT NAME: LoSweet



PARAMETERS	SPECIFICATIONS	METHODS
ERYTHRITOL	≥ 95%	AOAC 982.14
MOGROSID V	≤ 5%	Internal Method
APPEARANCE	Crystalline	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	20 – 60 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



LOT CODE: 1523 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	Crystalline	Complies	Visual Inspection
COLOR	Off-White/Golden	Complies	Visual Inspection
LOSS ON DRYING	≤ 5.0%	Complies	USP/NF 731
SWEETNESS (COMPARED TO SUCROSE)	1	Complies	ISO 5492:2008
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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 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

PRODUCT NUMBER: 1523

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

### 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
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### 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

**ICON FOODS, INC. – USA | PRODUCT #:** 1523

**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**

<b>IDENTIFICATION:</b>	Commercial Name: LoSweet Manufacturer: Icon Foods, Inc.
<b>COMPOSITION:</b>	Erythritol, monk fruit extract. CAS# 149-32-6/88901-36-4 Risk Phrases: None Safety Phrases 25-26: Not Mandatory
<b>HAZARDS:</b>	Not classified as dangerous according to directive 67/548/EEC or its amendments.
<b>FIRST AID MEASURES:</b>	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.
<b>FIRE FIGHTING MEASURES:</b>	Non-combustible and presents no special fire hazard Extinguishing media: N/A Protective Equipment: Standard equipment
<b>ACCIDENTAL RELEASE MEASURES:</b>	Absorb into an inert material and scrape up. Remove residue by scrubbing with hot water or detergent solution.
<b>HANDLING &amp; STORAGE:</b>	Store in a cool & dry location in ambient conditions, not to exceed 85 degrees Fahrenheit. For long term storage, please keep refrigerated.
<b>EXPOSURE &amp; PERSONAL PROTECTION:</b>	In accordance with good industrial practice and handling, use standard eye protection.
<b>PHYSICAL &amp; CHEMICAL PROPERTIES:</b>	Physical Form: Crystalline powder Color: Off-white/golden Odor: -- Boiling Point: -- Melting Point: -- Viscosity @ 20 degree C: -- Flash Point: -- Flammability Solid/Gas: -- Auto Flammability: -- Specific Refractive: -- Explosive Properties: -- pH (100% Concentrate): -- Oxidizing Properties: -- Vapor Pressure: -- Density: -- Water Solubility: Soluble Other Solubility: In most Basic Food Grade Solvents Partition Coefficient: -- (Octanol/Water): -- Explosive Limits: --
<b>STABILITY &amp; REACTIVITY:</b>	Thermal Decomposition: Stable under normal conditions of use.
<b>TOXICOLOGICAL DATA:</b>	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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