

TECHNICAL DATA



PRODUCT NAME:	ErySweet®
ICON FOODS PRODUCT CODE NUMBER:	1201
DESCRIPTION:	ErySweet erythritol is a 4-carbon polyol that is 70% as sweet as sugar. It provides 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. Of all the polyols, erythritol has the highest digestive tolerance because it is readily absorbed by the small intestine and excreted unchanged through the kidneys. Only 5% is metabolized, so calorie intake is near zero. Erythritol has the lowest molecular weight of the polyols. Erythritol adds bulk while exhibiting synergy with other sweeteners. Frozen foods benefit from its low freezing point depression. Non-browning, ErySweet is ideal for use in a variety of applications including confectionery, dairy products, and baked goods.
COMPOSITION:	Erythritol
COUNTRY OF ORIGIN:	China
ALLERGENS:	ErySweet® 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:	ErySweet is kosher certified.
BSE:	No animal derived ingredients are used in the production of ErySweet.
LABELING:	ErySweet complies with limits established for residual pesticides as per USP <561>. ErySweet may be labeled as a “natural” ingredient under the regulations of the U.S. FDA and FTC.
PACKAGING & RECOMMENDED STORAGE CONDITIONS:	ErySweet comes in a 20 kg box with poly inner bag, or 25 kg bag with inner poly liner. ErySweet 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: ErySweet


PARAMETERS	SPECIFICATIONS	METHODS
ASSAY: ERYTHRITOL	99 – 100%	AOAC 982.14
APPEARANCE	Crystalline	Visual Inspection
COLOR	White	Visual Inspection
LOSS ON DRYING	≤ 1.0%	USP/NF 731
SWEETNESS (COMPARED TO SUCROSE)	0.6 – 0.8	USO 5492:2008
RESIDUE ON IGNITION	≤ 0.2%	USP31<281>
MESH SIZE	20 – 60 mesh	ASTM 136/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	≤ 0.5 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
COLIFORM	≤ 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: ErySweet

LOT CODE: 1201 UU YY MM DD BB

MANUFACTURE DATE: MM/DD/YYYY

BEST BY: MM/DD/YYYY

INGREDIENTS: Erythritol.

ITEMS	STANDARD	RESULTS	TEST METHOD
ASSAY: ERYTHRITOL	99 – 100%	Complies	AOAC 982.14
APPEARANCE	Crystalline	Complies	Visual Inspection
COLOR	White	Complies	Visual Inspection
LOSS ON DRYING	≤ 1.0%	Complies	USP/NF 731
SWEETNESS (COMPARED TO SUCROSE)	0.6 – 0.8	Complies	USO 5492:2008
RESIDUE ON IGNITION	≤ 0.2%	Complies	USP31<281>
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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 ErySweet sold by Icon Foods, Inc. at the Portland, Oregon, USA facility, is manufactured in China.

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: ErySweet

PRODUCT NUMBER: 1201

INGREDIENTS % RANGE COMPOSITION

INGREDIENTS	% RANGE COMPOSITION
Erythritol	100%

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: ErySweet

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	0 mg	0%
Iron	0 mg	0%
Potassium	0 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	100.0g
Dietary Fiber	0.0g
Starch	0.0g
Sugars	0.0g
Sugar Alcohols	100.0g

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	5.0 mg
Iron	0.1 mg
Potassium	33.0 mg
Sodium	0.3 mg

OTHER

AMOUNTS PER 100G

Water	≤ 1.0 g
Ash	≤ 1.0 g

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SAFETY DATA SHEET

PRODUCT NAME: ErySweet

ICON FOODS, INC. – USA | PRODUCT #: 1201

CAS REGISTRY NUMBER: 149-32-6

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

FDA FOOD MANUFACTURING FACILITY #*****6608

COMPLIANT WITH JECFA GUIDLINES

IDENTIFICATION:	Commercial Name: ErySweet Manufacturer: Icon Foods, Inc.
COMPOSITION:	Erythritol CAS# 149-32-6 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 Color: White 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: --
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

Information contained herein as well as any representations made regarding this information are believed to be accurate and reliable however no warranty or guarantee, express or implied, is made regarding information and/or product.

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VERSION HISTORY

VERSION #	DATE	REVISIONS	APPROVAL

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