

TECHNICAL DATA



<b>PRODUCT NAME:</b>	KetoseSweet
<b>ICON FOODS PRODUCT CODE NUMBER:</b>	2104
<b>DESCRIPTION:</b>	Icon Foods KetoseSweet is a natural, low-calorie sugar. KetoseSweet is a monosaccharide, or simple sugar, and is found in nature in fruits such as raisins, figs, kiwis and jack fruit. Unlike other natural and synthetic sweeteners in the marketplace, KetoseSweet tastes and functions like sugar because it is a sugar, but contains almost zero calories while suppressing glycemic response. With less than 10% of the calories of sucrose, KetoseSweet provides a clean, satisfying sweetness to any drink mix, bakery, frozen food, confectionary of dairy application. KetoseSweet is complementary and works in synergy with other sweeteners to create low-calorie, cost effective sweeteners systems. KetoseSweet is recognized by the body as a simple sugar and is absorbed accordingly; however, clinical studies confirm that it is not metabolized and has no impact on blood glucose levels. Exhibiting a mouth-feel similar to table sugar, KetoseSweet should be a staple “go to” ingredient within the research and development group of any company affiliated with food and beverage.
<b>COMPOSITION:</b>	Allulose.
<b>COUNTRY OF ORIGIN:</b>	United States, China.
<b>ALLERGENS:</b>	KetoseSweet 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>	KetoseSweet is kosher certified.
<b>BSE:</b>	No animal derived ingredients are used in the production of KetoseSweet.
<b>LABELING:</b>	KetoseSweet complies with limits established for residual pesticides as per USP <561>. KetoseSweet may be labeled as a “natural” ingredient under the regulations of the U.S. FDA and FTC.
<b>PACKAGING &amp; RECOMMENDED STORAGE CONDITIONS:</b>	KetoseSweet comes in a 20/25 kg box/bag. KetoseSweet 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: KetoseSweet



PARAMETERS	SPECIFICATIONS	METHODS
ASSAY: ALLULOSE	≥ 95%	JECFA 2010
APPEARANCE	Powder	Visual Inspection
COLOR	White/Off-White	Visual Inspection
LOSS ON DRYING	≤ 1%	USP/NF 731
SWEETNESS (COMPARED TO SUCROSE)	0.6 – 0.8	ISO 5492:2008
RESIDUE ON IGNITION	≤ 0.5%	USP31<281>
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
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: KetoseSweet



LOT CODE: 2104 UU YY MM DD BB

MANUFACTURE DATE: MM/DD/YYYY

BEST BY: MM/DD/YYYY

INGREDIENTS: Allulose

ITEMS	STANDARD	RESULTS	TEST METHOD
ASSAY: ALLULOSE	≥ 95%	Complies	JECFA 2010
APPEARANCE	Powder	Complies	Visual Inspection
COLOR	White/Off-White	Complies	Visual Inspection
LOSS ON DRYING	≤ 1%	Complies	USP/NF 731
SWEETNESS (COMPARED TO SUCROSE)	0.6 – 0.8	Complies	ISO 5492:2008
RESIDUE ON IGNITION	≤ 0.5%	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 KetoseSweet sold by Icon Foods, Inc. at the Portland, Oregon, USA facility, is manufactured in the following countries: United States, 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: KetoseSweet

PRODUCT NUMBER: 2104

**INGREDIENTS    % RANGE COMPOSITION**

INGREDIENTS	% RANGE COMPOSITION
Allulose	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: KetoseSweet

### NUTRITIONAL FACTS

Calories	40 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	99.80g
Dietary Fiber	0.0g
Starch	0.0g
Sugars	99.80g
Sugar Alcohols	0.0g

### 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	0.0 mg
Iron	0.0 mg
Potassium	0.0 mg
Sodium	0.0 mg

### OTHER AMOUNTS PER 100G

Water	≤ 1.0 g
Ash	≤ 1.0 g

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## SAFETY DATA SHEET

PRODUCT NAME: KetoseSweet

ICON FOODS, INC. – USA | PRODUCT #: 2104

CAS REGISTRY NUMBER: 511-68-8

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

FDA FOOD MANUFACTURING FACILITY #\*\*\*\*\*6608

COMPLIANT WITH JECFA GUIDLINES

<b>IDENTIFICATION:</b>	Commercial Name: KetoseSweet Manufacturer: Icon Foods, Inc.
<b>COMPOSITION:</b>	Allulose CAS# 511-68-8 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: White/Off-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: --
<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

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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