

## TECHNICAL DATA



<b>PRODUCT NAME:</b>	KetoseSweet with Monk Fruit Liquid
<b>ICON FOODS PRODUCT CODE NUMBER:</b>	2101
<b>DESCRIPTION:</b>	<p>KetoseSweet with Monk Fruit is a proprietary blend of allulose, and monk fruit extract. Allulose is a “rare” sugar that occurs naturally in wheat, figs, raisins, jackfruit and more. Allulose is a low-energy monosaccharide sugar. It is a C-3 epimer of fructose and has the same molecular formula as fructose and glucose. But unlike fructose and glucose, allulose is not rapidly digested and absorbed making it safe for diabetics, those who follow a low sugar or low carb diet and even those who have adopted a ketogenic lifestyle. Allulose passes through the body without being metabolized. It behaves similarly to the polyol, erythritol.</p> <p>KetoseSweet with Monk Fruit has less than 0.2 calories per gram. KetoseSweet with Monk Fruit has the same temporal profile as sugar. Plus, it provides the expected mouthfeel that sugar imparts, leading to a more satisfying flavor.</p> <p>Considered GRAS (Generally Recognized as Safe) by FDA (Food and Drug Administration), FDA allows the use of KetoseSweet with Monk Fruit in a wide range of food products including: carbonated and non-carbonated beverages; baked goods such as frostings, cakes, pies, pastries, biscuits and rolls; frozen dairy desserts; jams and jellies; sweet sauces; syrups; chewing gum; hard and soft candies; and puddings and fillings.</p>
<b>COMPOSITION:</b>	Liquid allulose, monk fruit extract.
<b>COUNTRY OF ORIGIN:</b>	United States.
<b>ALLERGENS:</b>	KetoseSweet with Monk Fruit Liquid 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 with Monk Fruit Liquid is kosher certified.
<b>BSE:</b>	No animal derived ingredients are used in the production of KetoseSweet with Monk Fruit Liquid.
<b>LABELING:</b>	KetoseSweet with Monk Fruit Liquid complies with limits established for residual pesticides as per USP <561>.
<b>PACKAGING &amp; RECOMMENDED STORAGE CONDITIONS:</b>	<p>KetoseSweet with Monk Fruit Liquid comes in 1300-kg totes, 250-kg drums, or 20.5-kg pails.</p> <p>KetoseSweet with Monk Fruit Liquid should be stored in a cool &amp; dry location in ambient conditions, not to exceed 85 degrees Fahrenheit. For long term storage, please keep refrigerated. Shelf life is 24 months when stored under recommended conditions.</p>
<b>REMARKS:</b>	This item is a raw material for commercial use only.

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TECHNICAL DATA (CONT.)

PRODUCT NAME: KetoseSweet with Monk Fruit Liquid



PARAMETERS	SPECIFICATIONS	METHODS
ASSAY: ALLULOSE	≥ 95%	Internal Method
ASSAY: MOGROSIDE V	≤ 5%	Internal Method
APPEARANCE	Viscous Liquid	Visual Inspection
COLOR	Clear to Yellowish	Visual Inspection
BRIX	≥ 71.0%	Internal Method
SWEETNESS (COMPARED TO SUCROSE)	1 – 2	ISO 5492:2008
RESIDUE ON IGNITION	≤ 0.5%	USP31<281>
TOTAL HEAVY METALS	≤ 10 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 with Monk Fruit Liquid



**LOT CODE:** 2101 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	Internal Method
ASSAY: MOGROSIDE V	≤ 5%	Complies	Internal Method
APPEARANCE	Viscous Liquid	Complies	Visual Inspection
COLOR	Clear to Yellowish	Complies	Visual Inspection
BRIX	≥ 71.0%	Complies	Internal Method
SWEETNESS (COMPARED TO SUCROSE)	1 – 2	Complies	ISO 5492:2008
RESIDUE ON IGNITION	≤ 0.5%	Complies	USP31<281>
TOTAL HEAVY METALS	≤ 10 ppm	Complies	AOAC 993.14
TOTAL PLATE COUNT	≤ 1000 cfu/g	Complies	US Pharmacopeia Chapter 60
<i>E. COLI</i>	Negative/10g	Complies	US Pharmacopeia Chapter 60
COLIFORM	≤ 10 cfu/g	Complies	US Pharmacopeia Chapter 60
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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 with Monk Fruit Liquid 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: KetoseSweet with Monk Fruit Liquid

PRODUCT NUMBER: 2101

INGREDIENTS	% RANGE COMPOSITION
Liquid Allulose	≥ 95%
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: KetoseSweet with Monk Fruit Liquid

### NUTRITIONAL FACTS

Calories	30 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	72 g	26%
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	72.0 g
Dietary Fiber	0.0 g
Starch	0.0 g
Allulose	72.0 g
Sugar Alcohols	0.0 g

### FATS & FATTY ACIDS

### AMOUNTS PER 100G

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

### PROTEIN & AMINO ACIDS

### AMOUNTS PER 100G

Protein	0.0 g
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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	0.2 mg
Iron	0.0 mg
Potassium	0.4 mg
Sodium	1.0 mg

### OTHER

### AMOUNTS PER 100G

Water	≤ 30.0 g
Ash	≤ 1.0 g

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**SAFETY DATA SHEET**

**PRODUCT NAME:** KetoseSweet with Monk Fruit Liquid

**ICON FOODS, INC. – USA | PRODUCT #:** 2101

**CAS REGISTRY NUMBER:** 511-68-8/88901-36-4

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

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

**COMPLIANT WITH JECFA GUIDLINES**

**IDENTIFICATION:** Commercial Name: KetoseSweet with Monk Fruit Liquid  
 Manufacturer: Icon Foods, Inc.

**COMPOSITION:** Liquid allulose, monk fruit extract.  
 CAS# 511-68-8/88901-36-4  
 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.

<b>PHYSICAL &amp; CHEMICAL PROPERTIES:</b>	Physical Form: Viscous liquid.	Explosive Properties: --
	Color: Clear to yellowish	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).

**DISPOSAL CONDITIONS:**

Biodegradation: Expected to be ultimately biodegradable.

Fish Toxicity: No Data.

**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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