

## TECHNICAL DATA

<b>PRODUCT NAME:</b>	IMO Syrup
<b>ICON FOODS PRODUCT CODE NUMBER:</b>	1811
<b>DESCRIPTION:</b>	Isomalto-oligosaccharide (IMO) Syrup 90% from Tapioca.
<b>COMPOSITION:</b>	Isomalto-oligosaccharides (IMO).
<b>COUNTRY OF ORIGIN:</b>	China
<b>ALLERGENS:</b>	IMO Syrup 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>	IMO Syrup is kosher certified.
<b>BSE:</b>	No animal derived ingredients are used in the production of IMO Syrup.
<b>LABELING:</b>	IMO Syrup complies with limits established for residual pesticides as per USP <561>. IMO Syrup may be labeled as a "natural" ingredient under the regulations of the U.S. FDA and FTC.
<b>PACKAGING &amp; RECOMMENDED STORAGE CONDITIONS:</b>	IMO Syrup comes in a 1400-kg IBC Tote. IMO Syrup 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 24 months when stored under recommended conditions.
<b>REMARKS:</b>	This item is a raw material for commercial use only.

The information contained in this bulletin should not be construed as recommending the use of our products in violation of any patent, or as warranties (expressed or implied) of non-infringement or its fitness for any particular purpose. Prospective purchasers are invited to conduct their own tests, studies, and regulatory review to determine the fitness of Icon Foods products for their particular purposes, product claims, or specific applications.

**TECHNICAL DATA (CONT.)**

**PRODUCT NAME: IMO Syrup**

PARAMETERS	SPECIFICATIONS
APPEARANCE	Colorless to yellow liquid
IMO, %	≥ 90.0
IG2 + P + IG3, %	≥ 45.0
GLUCOSE, %	≤ 5.0
BRIX	≥ 75.0
pH	4.0 – 6.0
ASH, %	≤ 0.3
ARSENIC (As), mg/kg	≤ 0.5
LEAD (Pb), mg/kg	≤ 0.5
TOTAL PLATE COUNT, cfu/g	≤ 1,500
MOLD, cfu/g	≤ 50
YEAST, cfu/g	≤ 50
SALMONELLA, /25g	Negative

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**CERTIFICATE OF ANALYSIS**

**PRODUCT NAME:** IMO Syrup

**LOT CODE:** 1811 UU YY MM DD BB

**MANUFACTURE DATE:** MM/DD/YYYY

**BEST BY:** MM/DD/YYYY

**INGREDIENTS:** Isomalto-oligosaccharides (IMO).

ITEMS	STANDARD	RESULTS
APPEARANCE	Colorless to yellow liquid	Complies
IMO, %	≥ 90.0	Complies
IG2 + P + IG3, %	≥ 45.0	Complies
GLUCOSE, %	≤ 5.0	Complies
BRIX	≥ 75.0	Complies
pH	4.0 – 6.0	Complies
ASH, %	≤ 0.3	Complies
ARSENIC (As), mg/kg	≤ 0.5	Complies
LEAD (Pb), mg/kg	≤ 0.5	Complies
TOTAL PLATE COUNT, cfu/g	≤ 1,500	Complies
MOLD, cfu/g	≤ 50	Complies
YEAST, cfu/g	≤ 50	Complies
SALMONELLA, /25g	Negative	Complies

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 IMO Syrup 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: IMO Syrup

PRODUCT NUMBER: 1811

**INGREDIENTS    % RANGE COMPOSITION**

INGREDIENTS	% RANGE COMPOSITION
Isomalto-oligosaccharides (IMO)	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: IMO Syrup

### NUTRITIONAL FACTS

Calories	300 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	75 g	27%
Dietary Fiber	0 g	0%
Total Sugars	5 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	75.0g
Dietary Fiber	0.0g
Starch	0.0g
Sugars	5.0g
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	0.00g
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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	≤ 25.0 g
Ash	≤ 1.0 g

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**SAFETY DATA SHEET**

**PRODUCT NAME:** IMO Syrup

**ICON FOODS, INC. – USA | PRODUCT #:** 1811

**CAS REGISTRY NUMBER:** 499-40-1

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

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

**COMPLIANT WITH JECFA GUIDLINES**

**IDENTIFICATION:**

Commercial Name: IMO Syrup  
 Manufacturer: Icon Foods, Inc.

**COMPOSITION:**

Isomalto-oligosaccharides (IMO)  
 CAS# 499-40-1  
 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: Syrup	Explosive Properties: --
Color: Colorless to yellow	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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