

TECHNICAL DATA

PRODUCT NAME:	FibRefine 4.0
ICON FOODS PRODUCT CODE NUMBER:	1817
DESCRIPTION:	FibRefine 4.0 is a proprietary blend of Soluble Fiber (Resistant Maltodextrin) from Tapioca, Agave Inulin, and Partially Hydrolyzed Guar Gum.
COMPOSITION:	Soluble Tapioca Fiber, Agave Inulin, Guar Gum.
COUNTRY OF ORIGIN:	United States
ALLERGENS:	FibRefine 4.0 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:	FibRefine 4.0 is Kosher Certified.
BSE-TSE:	No animal derived ingredients are used in the production of FibRefine 4.0.
VEGAN/VEGETARIAN:	Contains no animal ingredients or byproducts. Icon Foods has not conducted any studies with this product involving animal testing.
BE/GMO:	Does not require mandatory BE Disclosure. Product is manufactured from non-GMO sources.
GLUTEN:	Contains no gluten containing ingredients.
LABELING:	FibRefine 4.0 complies with limits established for residual pesticides as per USP <561>. FibRefine 4.0 may be labeled as a “natural” ingredient under the regulations of the U.S. FDA and FTC.
PACKAGING & RECOMMENDED STORAGE CONDITIONS:	FibRefine comes in a 20 kg box/bag. Erythritol 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: FibRefine 4.0

PARAMETERS	SPECIFICATIONS	METHODS
SOLUBLE TAPIOCA FIBER, %	≤ 50	Calculation
AGAVE INULIN, %	≤ 40	Calculation
GUAR GUM, %	≤ 40	Calculation
APPEARANCE	Powder	Visual Inspection
COLOR	Off-white to yellow	Visual Inspection
MOISTURE, %	≤ 5.0	AOAC 925.09; AOAC 930.15
ASH, %	≤ 2.0	AOAC 942.05; AOAC 930.05
pH (20°C)	3.5 – 7.0	pH Meter
LEAD, ppm	≤ 0.5	AOAC 2015.01
CADMIUM, ppm	≤ 0.2	AOAC 2015.01
ARSENIC, ppm	≤ 0.1	AOAC 2015.01
MERCURY, ppm	≤ 0.01	AOAC 2015.01
AEROBIC PLATE COUNT, cfu/g	≤ 2500	BAM, FDA Ch. 3; AOAC 996.23
<i>E. COLI</i> , /10g	Negative	BAM, FDA Ch.4; AOAC 991.14
COLIFORM, cfu/g	≤ 10	BAM, FDA Ch.4; AOAC 991.14
YEAST, cfu/g	≤ 100	BAM, FDA Ch. 18
MOLD, cfu/g	≤ 100	BAM, FDA Ch. 18
SALMONELLA, /25g	Negative	BAM, FDA Ch. 5; AOAC 2013.01




 Thomas J. King
 Icon Foods, Inc.

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CERTIFICATE OF ANALYSIS

PRODUCT NAME: FibRefine 4.0

LOT CODE: 1817 UU YY MM DD BB MANUFACTURE DATE: MM/DD/YYYY BEST BY: MM/DD/YYYY

INGREDIENTS: Soluble Tapioca Fiber, Agave Inulin, Guar Gum.

ITEMS	STANDARD	RESULTS	TEST METHOD
SOLUBLE TAPIOCA FIBER, %	≤ 50	Complies	Calculation
AGAVE INULIN, %	≤ 40	Complies	Calculation
GUAR GUM, %	≤ 40	Complies	Calculation
APPEARANCE	Powder	Complies	Visual Inspection
COLOR	Off-white to yellow	Complies	Visual Inspection
MOISTURE, %	≤ 5.0	Complies	AOAC 925.09; AOAC 930.15
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SALMONELLA, /25g	Negative	Complies	BAM, FDA Ch. 5; AOAC 2013.01

*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 FibRefine 4.0 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: FibRefine 4.0****PRODUCT NUMBER: 1817****INGREDIENTS % RANGE COMPOSITION**

Soluble Tapioca Fiber	≤ 50%
Agave Inulin	≤ 40%
Guar Gum	≤ 40%

ICON FOODS, INC.
19250 NE PORTAL WAY
PORTLAND, OR 97230
P: 310.455.9876

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100G NUTRITIONAL SPECIFICATIONS

PRODUCT NAME: FibRefine 4.0

NUTRITIONAL FACTS

Calories	250 kcal	
Total Fat	1.5 g	2%
Saturated Fat	0 g	0%
Trans Fat	0 g	
Cholesterol	0 mg	0%
Sodium	10 mg	0%
Total Carbohydrate	93 g	34%
Dietary Fiber	87 g	311%
Total Sugars	6 g	
Includes 0g Added Sugars		0%
Protein	1 g	
Vitamin D	0 mcg	0%
Calcium	80 mg	6%
Iron	0 mg	0%
Potassium	1620 mg	35%

*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	92.90g
Dietary Fiber	87.19g
Starch	0.0g
Sugars	5.71g
Sugar Alcohols	0.0g

FATS & FATTY ACIDS

AMOUNTS PER 100G

Total Fat	1.45g
Saturated Fat	-- g
Monounsaturated Fat	-- g
Polyunsaturated Fat	-- g
Total Trans Fatty Acids	-- g

PROTEIN & AMINO ACIDS

AMOUNTS PER 100G

Protein	0.98g
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VITAMINS

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	78.30 mg
Iron	0.00 mg
Potassium	1624.00 mg
Sodium	8.70 mg

OTHER

AMOUNTS PER 100G

Water	≤ 5.0 g
Ash	≤ 2.0 g

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SAFETY DATA SHEET

PRODUCT NAME: FibRefine 4.0

ICON FOODS, INC. – USA | PRODUCT #: 1817

CAS REGISTRY NUMBER: --

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

FDA FOOD MANUFACTURING FACILITY #*****6608

COMPLIANT WITH JECFA GUIDLINES

IDENTIFICATION:	Commercial Name: FibRefine 4.0 Icon Foods, Inc.																				
COMPOSITION:	Soluble Tapioca Fiber, Agave Inulin, Guar Gum. CAS# -- 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:	<table border="0"> <tr> <td>Physical Form: Powder</td> <td>Explosive Properties: --</td> </tr> <tr> <td>Color: Off-white / yellow</td> <td>pH (100% Concentrate): --</td> </tr> <tr> <td>Odor: --</td> <td>Oxidizing Properties: --</td> </tr> <tr> <td>Boiling Point: --</td> <td>Vapor Pressure: --</td> </tr> <tr> <td>Melting Point: --</td> <td>Density: --</td> </tr> <tr> <td>Viscosity @ 20 degree C: --</td> <td>Water Solubility: Soluble</td> </tr> <tr> <td>Flash Point: --</td> <td>Other Solubility: In most Basic Food Grade Solvents</td> </tr> <tr> <td>Flammability Solid/Gas: --</td> <td>Partition Coefficient: --</td> </tr> <tr> <td>Auto Flammability: --</td> <td>(Octanol/Water): --</td> </tr> <tr> <td>Specific Refractive: --</td> <td>Explosive Limits: --</td> </tr> </table>	Physical Form: Powder	Explosive Properties: --	Color: Off-white / 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: --
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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. Inhalation: Slight Ethanollic Sting – irritation																				

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ECOLOGICAL INFORMATION:

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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