

TECHNICAL DATA

PRODUCT NAME:	MLT1150™ NF Grade Maltitol Powder
ICON FOODS PRODUCT CODE NUMBER:	1413
DESCRIPTION:	Maltitol, Powder NF Grade
COMPOSITION:	Maltitol.
COUNTRY OF ORIGIN:	China
ALLERGENS:	Maltitol 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:	Kosher Certified.
BSE-TSE:	No animal derived ingredients are used in the production of Maltitol.
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 Non-GMO.
LABELING:	Maltitol complies with limits established for residual pesticides as per USP <561>.
PACKAGING & RECOMMENDED STORAGE CONDITIONS:	Maltitol comes in a 25 kg bag or box. Product should be preserved in well-closed containers in a cool & dry location; ambient conditions, not to exceed 85 degrees Fahrenheit. 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: MLT1150™ NF Grade Maltitol Powder

PARAMETERS	SPECIFICATIONS	METHODS
APPEARANCE	Fine Powder	Visual Inspection
COLOR	White to off-white	Organoleptic
IDENTIFICATION	Retention time Matches Standard	HPLC
MALTITOL, % (ANHYDROUS)	92.0 – 100.05	HPLC
CONDUCTIVITY, $\mu\text{S}/\text{cm}$ (20°C)	≤ 20	USP <644>
REDUCING SUGARS, % (AS GLUCOSE)	≤ 0.3	FCC; AOAC 906.03, 923.09
WATER, %	≤ 1.0	USP <921>
ASH, %	≤ 0.1	AOAC 930.05
NICKEL (Ni), ppm	≤ 1	AOAC 2011.19, 993.14, 2015.01
LEAD (Pb), ppm	≤ 0.5	AOAC 2011.19, 993.14, 2015.01
ARSENIC (As), ppm	≤ 0.5	AOAC 2011.19, 993.14, 2015.01
AEROBIC PLATE COUNT, cfu/g	≤ 1000	BAM, FDA Ch. 3; AOAC 996.23
YEAST & MOLD, cfu/g	≤ 100	BAM, FDA Ch. 18
COLIFORMS, MPN/g	≤ 3	BAM, FDA Ch. 4
SALMONELLA, /25g	Negative	BAM, FDA Ch. 5; AOAC 2013.01



Thomas J. King
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 Icon Foods, Inc.

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CERTIFICATE OF ANALYSIS

PRODUCT NAME: MLT1150™ NF Grade Maltitol Powder

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

INGREDIENTS: Maltitol.

ITEMS	STANDARD	RESULTS	TEST METHODS
APPEARANCE	Fine Powder	Complies	Visual Inspection
COLOR	White to off-white	Complies	Organoleptic
IDENTIFICATION	Retention time Matches Standard	Complies	HPLC
MALTITOL, % (ANHYDROUS)	92.0 – 100.05	Complies	HPLC
CONDUCTIVITY, $\mu\text{S}/\text{cm}$ (20°C)	≤ 20	Complies	USP <644>
REDUCING SUGARS, % (AS GLUCOSE)	≤ 0.3	Complies	FCC; AOAC 906.03, 923.09
WATER, %	≤ 1.0	Complies	USP <921>
ASH, %	≤ 0.1	Complies	AOAC 930.05
NICKEL (Ni), ppm	≤ 1	Complies	AOAC 2011.19, 993.14, 2015.01
LEAD (Pb), ppm	≤ 0.5	Complies	AOAC 2011.19, 993.14, 2015.01
ARSENIC (As), ppm	≤ 0.5	Complies	AOAC 2011.19, 993.14, 2015.01
AEROBIC PLATE COUNT, cfu/g	≤ 1000	Complies	BAM, FDA Ch. 3; AOAC 996.23
YEAST & MOLD, cfu/g	≤ 100	Complies	BAM, FDA Ch. 18
COLIFORMS, MPN/g	≤ 3	Complies	BAM, FDA Ch. 4
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 in well-closed containers. 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

This letter is to certify that Maltitol Powder 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: MLT1150™ NF Grade Maltitol Powder

PRODUCT NUMBER: 1413

INGREDIENTS % RANGE COMPOSITION

INGREDIENTS	% RANGE COMPOSITION
Maltitol	100%

ICON FOODS, INC.

19250 NE PORTAL WAY

PORTLAND, OR 97230

P: 310.455.9876

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100G NUTRITIONAL SPECIFICATIONS

PRODUCT NAME: MLT1150™ NF Grade Maltitol Powder

NUTRITIONAL FACTS

Calories	240 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	99 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	99.0g
Dietary Fiber	0.0g
Starch	0.0g
Sugars	0.0g
Sugar Alcohols	99.0g

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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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	0.0 mg
Iron	0.0 mg
Potassium	0.0 mg
Sodium	0.0 mg

OTHER

AMOUNTS PER 100G

Water	≤ 1.0 g
Ash	≤ 0.1 g

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SAFETY DATA SHEET

PRODUCT NAME: MLT1150™ NF Grade Maltitol Powder

ICON FOODS, INC. – USA | PRODUCT #: 1413

CAS REGISTRY NUMBER: 585-88-6

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

FDA FOOD MANUFACTURING FACILITY #*****6608

COMPLIANT WITH JECFA GUIDLINES

IDENTIFICATION:	Commercial Name: Maltitol Powder Icon Foods, Inc.
COMPOSITION:	Maltitol CAS# 585-88-6 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: Powder Color: White to off-white Odor: Odorless Boiling Point: -- Melting Point: -- Viscosity @ 20°C: -- Flash Point: Not flammable Flammability Solid/Gas: Not flammable Auto Flammability: Not applicable Specific Refractive: -- Explosive Properties: None pH (100% Concentrate): -- Oxidizing Properties: None Vapor Pressure: Very low Density: -- Water Solubility: Soluble Other Solubility: In most food grade solvents Partition Coefficient: -- Explosive Limits: Not applicable
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 Ethanolic Sting – irritation Toxic Effects: None

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ECOLOGICAL INFORMATION:

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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