Specification Sheet

Item	Specifications
Product Name	SunGarden Organic Radish
Packing	8-10 kg packed in a plastic bag shipped in tamper evident cardboard box
Seed Type	Organic Radish
Grow Period	Cotyledon Formation
Texture	Milled
Milled Particle Size	70% through 70 mesh screen
Appearance	Green – Light Brown
Identification	Lot traceability retained
Moisture Analysis	<8%
Aerobic Plate Count (APC)	≤10,000 (unless otherwise stated > 10,000)
Mold, cfu/g	≤10
Yeast, cfu/g	≤10
E-coli 0157:H7	Absence
Salmonella	Absence

International Specialty Supply
1011 Volunteer Dr.
Cookeville, TN 38506
931-526-1106

PRODUCT CHARACTERISTICS			
Botanical Name	Raphanus sativus	**Plant Part**	Germinated Seed
Variety	Radish	**Flavor**	Characteristic
Halal	Yes	**Organic**	No
Kosher	Yes	**Batch Number**	Sample

PRODUCT PROFILE	METHOD	Test Results
Particle Analysis	ISHCM-1.1	90% through U.S.A. #70 sieve
Moisture	ISHCM-1.2	5.797 %r
Color	Visual P3	Brown / Light Green

ANALYSIS	METHOD	Test Results
Heavy Metals	N/A	N/A
Arsenic	N/A	N/A
Cadnium	N/A	N/A
Lead	N/A	N/A
Mercury	N/A	N/A

MICROBIOLOGICAL PROFILE	METHOD	Test Results
Micro Level	USP, NF, TAMC	170
Yeast and Mold	Modified FDA-BAM	<10<10 cfu/g

INGREDIENT STATEMENT

Radish Sprouts

COUNTRY OF ORIGIN

USA

International Specialty Supply
1011 Volunteer Dr.
Cookeville, TN 38506
931-526-1106

Our Experience Is Your Protection

Michelson Laboratories, Inc.

6280 Chalet Drive, Commerce, CA 90040-3704, Telephone (562) 928-0553 / FAX (562) 927-6625

LABORATORY CERTIFICATE

Submitted By: INTERNATIONAL SPECIALTY SUPPLY
1011 VOLUNTEER DR.
COOKEVILLE, TN 38506
Attn : AL SULLIVAN

Printed : 08/02/2017
Lab No. : 071217-C168166
Report No. : 071217-C168166A
Order No. :
Received : 7/12/2017
Page : 1 of 4

Sample: RADISH SRP2-3AL SS= 100 GRAMS

Serving size used for calculations 100.00 grams

PROXIMATES (NUTRITIONAL)	Method	Result	Start:Dt
Moisture	AOAC 950.46, 920.155	2.09 %	07/14/17
Protein (% Nitrogen x 6.25)	AOAC 992.15	27.54 %	07/13/17
Fat	AOAC 996.06, 920.39, 922.06 (MODIFIED)	33.57 %	07/24/17
Ash	AACC 08 03; AOAC 923.03	5.65 %	07/14/17
Carbohydrate, Total (by difference)	USDA Nutritional Analysis Methods, 1996 Appendix B	31.15 %	
Calories, Total (Calculation)	USDA Nutritional Analysis Methods, 1996 Appendix B,A1	537/100 g	
Calories From Fat (Calculation)	USDA Nutritional Analysis Methods, 1996 Appendix B,A1	302/100 g	
Fat By Gc	AOAC 996.06 (MODIFIED)	33.57 %	07/24/17
CARBOHYDRATES			
Carbohydrates, Total (by difference)	USDA Nutritional Analysis Methods, 1996 Appendix B	31.15 %	
Fiber, Total Dietary	AACC 32 07 (MODIFIED) AOAC 991.43 (MODIFIED)	23.90 %	07/22/17
Total Sugars	CALCULATED RESULT	4.36 %	
: Fructose	AOAC 977.20 (MODIFIED), 982.14 (MODIFIED)	2.30 %	07/17/17
: Glucose	AOAC 977.20 (MODIFIED), 982.14 (MODIFIED)	1.21 %	07/17/17
: Sucrose	AOAC 977.20 (MODIFIED), 982.14 (MODIFIED)	0.85 %	07/17/17
: Maltose	AOAC 977.20 (MODIFIED), 982.14 (MODIFIED)	** NDLT 0.10 %	07/17/17
: Lactose	AOAC 977.20 (MODIFIED), 982.14 (MODIFIED)	** NDLT 0.10 %	07/17/17
Added Sugars:	PROVIDED BY CUSTOMER	0.00 g	07/17/17
Other Carbohydrates	USDA Nutritional Analysis Methods, 1996 Appendix B	2.89 %	

** Indicates None Detected Less Than

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Lab No. : 071217-C168166
Date: 08/02/2017
Sample: RADISH SRP2-3AL SS= 100 GRAMS

VITAMINS AND MINERALS (NUTRITIONAL)	Method	Result	Start:Dt
Vitamin D By Lc/Ms/Ms	AOAC 2012.11	** NDLT 1.00 mcg/100g	07/13/17
Calcium	AOAC 984.27, 990.08(MODIFIED)	597.00 mg/100gms	07/14/17
Iron	AOAC 984.27, 990.08(MODIFIED)	7.68 mg/100gms	07/14/17
Sodium	AOAC 984.27, 990.08(MODIFIED)	189.50 mg/100gms	07/14/17
Potassium	AOAC 984.27, 990.08(MODIFIED)	762.50 mg/100gms	07/14/17
Fatty Acid Profile:			
:Saturated Fat	AOAC 996.06 (MODIFIED)	9.10 % of total fat	07/24/17
:Monounsaturated	AOAC 969.33	21.20 % of total fat	07/24/17
:Polyunsaturated	AOAC 969.33	69.70 % of total fat	07/24/17
:Trans Fat	AOAC 41.1.28A	** NDLT 0.01 % of total fat	07/24/17
Cholesterol	AOAC 976.26(MODIFIED)	** NDLT 1.00 mg/100gms	07/18/17

**** Indicates None Detected Less Than**

Nutrition Facts

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Servings size	**(100g)**
Amount per serving	
Calories	**540**
	% Daily Value *
Total Fat 34g	**43%**
Saturated Fat 3g	**15%**
Trans Fat 0g	
Cholesterol 0mg	**0%**
Sodium 190mg	**8%**
Total Carbohydrates 31g	**11%**
Dietary Fiber 24g	**86%**
Total Sugars 4g	
Includes 0g Added Sugars	**0%**
Protein 28g	
Vitamin D 0mcg	0%
Calcium 597mg	45%
Iron 8mg	45%
Potassium 762mg	15%

* The % Daily Value (DV) 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.

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Sample: RADISH SRP2-3AL SS= 100 GRAMS

++ The % Daily Value (DV) 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.

	Calories	2,000
Total Fat	Less Than	78 g
Sat Fat	Less Than	20 g
Cholesterol	Less Than	300 mg
Sodium	Less Than	2,300 mg
Total Carbohydrate		275 g
Dietary Fiber		28 g

Calories per gram:
Fat 9 - Carbohydrate 4 - Protein 4

PLEASE BE ADVISED

The new 2016 changes to the Nutrition Facts Label by FDA redefined the serving size requirements (among other changes). We have made every effort to provide you with nutrition facts information which complies with the new regulation. However, you must verify the serving size and serving(s) per container for your product -this includes whether the label must use a dual column declaration. You must perform this work because the regulatory requirement varies based upon the package's size.

Ingredients: None Given

Added Sugars: The amount of certain non-digestible oligosaccharides that do not meet the dietary fiber definition and Added Sugars cannot be determined analytically. Therefore, these declarations depend exclusively on information provided by you, the customer. Please note that under the new regulations, the manufacturer is ultimately responsible for these values, and must make and keep records to verify the amount of sugars and dietary fibers, added to their food.

MICHELSON LABORATORIES, INC.

Estefania Quiroz, Chemistry Manager | 8/2/2017 6:06:30 PM

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: SunGarden Radish

Product Use: Food Uses

Manufacturer: SunGarden
1011 Volunteer Dr.
Cookeville, TN 38506
USA

Emergency Telephone Number: (931) 526.1106

2. HAZARDS IDENTIFICATION

GHS Classification:

Health	Environmental	Physical
Not Classified	Not Classified	Not Classified

LABEL ELEMENTS

HAZARD SYMBOL None

SIGNAL WORD None

HAZRAD STATEMENT The substance does not meet the criteria for classification

PRECAUTIONARY STATEMENT

PREVENTION	Observe good manufacturing processes
RESPONSE	Wash hands after handling
STORAGE	Store away from incompatible materials
DISPOSAL	Dispose of waste and residues in accordance with local authority requiremets

HAZARD(S) NOT OTHERWISE CLASSIFIED (HNOC) None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

SunGarden Radish Powder

Chemical Name	CAS NO.
Radish Sprout Powder	Not Applicable

4. FIRST AID MEASURES

EYE CONTACT: Flush immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation occurs.

SKIN CONTACT: Wash area thoroughly with soap and water. Seek medical attention if irritation occurs.

INGESTION: Product not hazardous when ingested. Seek medical attention if symptons occur.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Direct contact with eyes may cause temporary irritation.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Treat symptomatically

5. FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water Spray

UNSUITABLE EXTINGUISHING MEDIA: Dry chemicals or foams

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

No special instructions apply. All responders should wear appropriate personal protective equipment (PPE). Use self-contained breathing apparatus to avoid exposure to smoke and vapor.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: See Section 8

ENVIRONMENTAL PRECAUTIONS: Not expected to cause any environmental hazards based on intended use.

METHODS FOR CONTAINMENT AND CLEANING UP: Use appropriate equipment to collect solids in a disposable waste container. Finish cleaning with plenty of water and dispose in accordance with federal, state, and local regulations.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: None

CONDITIONS FOR SAFE STORAGE: Store at <25 degrees Celsius and < 75% Relative Humidity

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS: No exposure limits noted

BIOLOGICAL LIMIT VALUES: No biological exposure limites noted.

APPROPRIATE ENGINEERING CONTROLS: Process in a well-ventilated area. Local exhaust ventilation should be used when handling dry material.

PERSONAL PROTECTION EQUIPMENT (PPE): Avioid breathing dust. Handle in accordance with good industrial hygiene and saftey practices.

Eye Protection: If contact is likely, safety glasses with side shields and other suitable PPE are recommended.

Skin Protection Use gloves and suitable PPE. Wear suitable protective clothing.

Respiratory Protection No personal respiratory protective equipment normally required.

Thermal Hazards Wear appropriate thermal equipment, when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:		
	PHYSICAL STATE:	Solid
	FORM:	Powder/Flake
	Color:	Green/Brown
ODOR:	Mild, earthy odor	
pH:	Not applicable	
MELTING POINT/RANGE:	Not applicable	
BOILING POINT/RANGE	Not applicable	
FLASH POINT:	Not determined	
FLAMMABILITY (solid, gas):	Non-flammable	
VAPOR PRESSURE:	Not applicable	
VAPOR DENSITY:	Not applicable	
SPECIFIC GRAVITY:	Not determined	
SOLUBILITY:	Dispersible	
PARTITION COEFFICIENT:	Not applicable	
AUTOIGNITION TEMPERATURE:	Not determined	
DECOMPOSITION TEMPERATURE:	Not determined	
VISCOSITY:	Not applicable	

10. STABILITY AND REACTIVITY

REACTIVITY: Material is stable and non-reactive under normal conditions of use, storage and transport.

CHEMICAL STABILITY: Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No dangerous reaction known under conditions of use.

CONDITIONS TO AVOID: Prevent dust cloud. If generated, organic dust may form an explosive mixture in the atmosphere.

INCOMPATIBLE MATERIALS: None known

HAZARDOUS DECOMPOSITION REACTIONS: Carbon dioxide, carbon monoxide.

11. TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

EYE CONTACT: Direct eye contact may cause temporary irritation

SKIN CONTACT: No adverse effects due to skin contact are expected

INGESTION: Low ingestion hazard

INHALATION: Not determined

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL, AND TOXICOLOGICAL CHARACTERISTICS:

Direct contact with eyes may cause temporary irritation

12. ECOLOGICAL INFORMATION

ECOTOXICITY: The material is a natural Radish product

PERSISTANCE AND DEGRADABILITY: Not determined

BIOACCUMULATION: Not determined

MOBILITY IN SOIL: Not determined

OTHER ADVERSE EFFECTS: Not available

13. DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS: Follow local, state, and ferderal disposal regulations

LOCAL DISPOSAL REGULATIONS: Follow local, state, and ferderal disposal regulations

HAZARDOUS WASTE CODE: Not regulated

14. TRANSPORT INFORMATION

UN NUMBER: Not applicable

UN PROPER SHIPPING NAME: Not applicable

US DOT STATUS: Not regulated as dangerous goods

IMDG/IMO: Not classified as dangerous goods

IATA/ICAO: Not classified as dangerous goods

15. REGULATORY INFORMATION

USA Federal regulations

TSCA: This product is not subject to the Toxic Substance Control Act

USA-STATE SPECIFIC REGULATIONS

California Prop 65: This product complies with the state of California's Proposition 65 and requires no Prop 65 warning on our labels.

16. OTHER INFORMATION

DISCLAIMER:

The information contained herein is based on our state of knowledge at the above-specified date. It solely refers to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process. This document was prepared by a competent person who has received appropriate training. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended. This SDS cancels and replaces any preceding release.