

10865 Jersey Boulevard Rancho Cucamonga, CA 91730 customerservice@ciuti.com (909) 484-1414 Main (909) 484-1445 Fax Specification:

NON-GMO RICE BRAN OIL

**Description:** Non-GMO refined, bleached, dewaxed, deodorized rice bran oil.

- High smoke point
- Nice, light, nutty flavor
- Ingredient in nutraceutical softgels
- Used in cosmetics and hair conditioners
- Suitable for cooking, stir frying, and deep frying
- Rich in Vitamin E, oryzanol, & phytosterols
- Natural antioxidant
- Enhanced longevity performance in fryers

Applications: Used in food and cosmetic applications. Suitable for cooking and frying.

**Storage**: Store in a cool, dry, dark place (65°F to 75°F optimum) away from heat and oxidizers. Nitrogen topping is of advantage.

**Shelf Life**: Shelf life is 24 months from date of production. Ciuti guarantees a minimum of 12 months from date of shipment.

Country of Origin: India.

#### Sizes:

1/2 GL HDPE F-Style Bottle
1 GL HDPE F-Style Bottle
35 LB Jug-in-Box
55 GL Drum
265 GL IBC Tote
275 GL Corrugated Tote
Road Tanker
Flexitank

#### **Registrations and Other Product Information:**

CAS 68553-81-1
EINCS 271-397-8
INCL: Rice Bran Oil
Non-GMO Project Verified
Kosher certified by Orthodox Union
Halal suitable but not certified
Prop 65 labeling is not required
BioEngineered (BE) disclosure is not required
Vegan



nongmoproject	.org
<b>Nutrition</b>	<b>Facts</b>
1164 Servings Per Contai Serving Size 1 T	<sup>ner</sup> <b>bsp(13.6g)</b>
Amount Per Serving	120
<u>Calories</u>	<u> 120</u>
,	% Daily Value*
Total Fat 14g	21%
Saturated Fat 2.7g	13%
Trans Fat 0g	
Polyunsaturated Fat 4.8g	
Monounsaturated Fat 9g	
Cholesterol 0mg	0%
Sodium 0mg	0%
Total Carbohydrate 0g	0%
Dietary Fiber 0g	0%
Total Sugars 0g	
Includes Added Sugars	
Protein 0g	0%
Vitamin D 0mcg	0%
Calcium 0mg	0%
Iron 0mg	0%
Potassium 0mg	0%
The % Daily Value (DV) tells you how serving of food contributes to a daily	diet. 2,000 calories a

Ingredients: Rice Bran Oil

# USDA NDB (National Nutrition Database)

Nutrient         Unit         Value per 100.0 g         Tosp 13.5g           Proximates         Water         g         0         0           Energy         kcall         884         119           Protein         g         0         0           Total lipid (fat)         g         100         13.5           Carbohydrate, by difference         g         0         0           Fiber, total dietary         g         0         0           Sugars, total         g         0         0           Minerals         Calcium, Ca         mg         0         0           Iron, Fe         mg         0.07         0.01           Magnesium, Mg         mg         0         0           Phosphorus, P         mg         0         0           Potassium, K         mg         0         0           Sodium, Na         mg         0         0           Vitamins         Vitamin C, total ascorbic acid         mg         0         0           Thiamin         mg         0         0           Niacin         mg         0         0           Vitamin B-6         mg         0<	USDA NDB (National Nutrition Database)					
Water         g         0         0           Energy         kcal         884         119           Protein         g         0         0           Total lipid (fat)         g         100         13.5           Carbohydrate, by difference         g         0         0           Fiber, total dietary         g         0         0           Sugars, total         g         0         0           Minerals         Calcium, Ca         mg         0         0           Iron, Fe         mg         0.07         0.01           Magnesium, Mg         mg         0         0           Phosphorus, P         mg         0         0           Phosphorus, P         mg         0         0           Potassium, K         mg         0         0           Sodium, Na         mg         0         0           Zinc, Zn         mg         0         0           Vitamins         vitamin C, total ascorbic acid         mg         0         0           Riboflavin         mg         0         0         0           Vitamin B-6         mg         0         0      <	Nutrient		per 100.0	Tbsp 13.5g		
Energy         kcal         884         119           Protein         g         0         0           Total lipid (fat)         g         100         13.5           Carbohydrate, by difference         g         0         0           Fiber, total dietary         g         0         0           Sugars, total         g         0         0           Minerals         Calcium, Ca         mg         0         0           Iron, Fe         mg         0.07         0.01           Magnesium, Mg         mg         0         0           Phosphorus, P         mg         0         0           Potassium, K         mg         0         0           Sodium, Na         mg         0         0           Zinc, Zn         mg         0         0           Vitamins         Vitamin C, total ascorbic acid         mg         0         0           Riboflavin         mg         0         0           Niacin         mg         0         0           Vitamin B-6         mg         0         0           Folate, DFE         μg         0         0	Proximates					
Protein         g         0         0           Total lipid (fat)         g         100         13.5           Carbohydrate, by difference         g         0         0           Fiber, total dietary         g         0         0           Sugars, total         g         0         0           Minerals         Calcium, Ca         mg         0         0           Iron, Fe         mg         0.07         0.01           Magnesium, Mg         mg         0         0           Phosphorus, P         mg         0         0           Potassium, K         mg         0         0           Sodium, Na         mg         0         0           Zinc, Zn         mg         0         0           Vitamins         Vitamin C, total ascorbic acid         mg         0         0           Riboflavin         mg         0         0           Niacin         mg         0         0           Vitamin B-6         mg         0         0           Folate, DFE         μg         0         0	Water	g	0	0		
Тotal lipid (fat) g 100 13.5  Саrbohydrate, by difference g 0 0 0  Fiber, total dietary g 0 0 0  Sugars, total g 0 0 0  Minerals  Calcium, Ca mg 0 0 0  Iron, Fe mg 0.07 0.01  Magnesium, Mg mg 0 0 0  Phosphorus, P mg 0 0 0  Potassium, K mg 0 0 0  Zinc, Zn mg 0 0 0  Vitamins  Vitamin C, total ascorbic acid mg 0 0  Riboflavin mg 0 0  Niacin mg 0 0  Vitamin B-6 mg 0 0  Folate, DFE μg 0 0	Energy	kcal	884	119		
Carbohydrate, by difference         g         0         0           Fiber, total dietary         g         0         0           Sugars, total         g         0         0           Minerals         Calcium, Ca         mg         0         0           Iron, Fe         mg         0.07         0.01           Magnesium, Mg         mg         0         0           Phosphorus, P         mg         0         0           Potassium, K         mg         0         0           Sodium, Na         mg         0         0           Zinc, Zn         mg         0         0           Vitamins         Vitamin C, total ascorbic acid         mg         0         0           Thiamin         mg         0         0           Riboflavin         mg         0         0           Niacin         mg         0         0           Vitamin B-6         mg         0         0           Folate, DFE         µg         0         0	Protein	g	0	0		
Fiber, total dietary         g         0         0           Sugars, total         g         0         0           Minerals         Calcium, Ca         mg         0         0           Iron, Fe         mg         0.07         0.01           Magnesium, Mg         mg         0         0           Phosphorus, P         mg         0         0           Potassium, K         mg         0         0           Sodium, Na         mg         0         0           Zinc, Zn         mg         0         0           Vitamins         Vitamin C, total ascorbic acid         mg         0         0           Thiamin         mg         0         0           Riboflavin         mg         0         0           Niacin         mg         0         0           Vitamin B-6         mg         0         0           Folate, DFE         μg         0         0	Total lipid (fat)	g	100	13.5		
Sugars, total         g         0         0           Minerals           Calcium, Ca         mg         0         0           Iron, Fe         mg         0.07         0.01           Magnesium, Mg         mg         0         0           Phosphorus, P         mg         0         0           Potassium, K         mg         0         0           Sodium, Na         mg         0         0           Zinc, Zn         mg         0         0           Vitamins         Vitamins         0         0           Vitamin C, total ascorbic acid         mg         0         0           Riboflavin         mg         0         0           Niacin         mg         0         0           Vitamin B-6         mg         0         0           Folate, DFE         μg         0         0	Carbohydrate, by difference	g	0	0		
Minerals           Calcium, Ca         mg         0         0           Iron, Fe         mg         0.07         0.01           Magnesium, Mg         mg         0         0           Phosphorus, P         mg         0         0           Potassium, K         mg         0         0           Sodium, Na         mg         0         0           Zinc, Zn         mg         0         0           Vitamins         Vitamins         Vitamin G, total ascorbic acid mg         0         0           Thiamin         mg         0         0         0           Riboflavin         mg         0         0         0           Niacin         mg         0         0         0           Vitamin B-6         mg         0         0         0           Folate, DFE         μg         0         0         0	Fiber, total dietary	g	0	0		
Calcium, Ca         mg         0         0           Iron, Fe         mg         0.07         0.01           Magnesium, Mg         mg         0         0           Phosphorus, P         mg         0         0           Potassium, K         mg         0         0           Sodium, Na         mg         0         0           Zinc, Zn         mg         0         0           Vitamins         Vitamins         Vitamin C, total ascorbic acid         mg         0         0           Thiamin         mg         0         0         0           Riboflavin         mg         0         0           Niacin         mg         0         0           Vitamin B-6         mg         0         0           Folate, DFE         μg         0         0	Sugars, total	g	0	0		
Iron, Fe         mg         0.07         0.01           Magnesium, Mg         mg         0         0           Phosphorus, P         mg         0         0           Potassium, K         mg         0         0           Sodium, Na         mg         0         0           Zinc, Zn         mg         0         0           Vitamins         Vitamins         0         0           Thiamin         mg         0         0           Riboflavin         mg         0         0           Niacin         mg         0         0           Vitamin B-6         mg         0         0           Folate, DFE         μg         0         0	Minerals					
Magnesium, Mg         mg         0         0           Phosphorus, P         mg         0         0           Potassium, K         mg         0         0           Sodium, Na         mg         0         0           Zinc, Zn         mg         0         0           Vitamins         Vitamin C, total ascorbic acid         mg         0         0           Thiamin         mg         0         0         0           Riboflavin         mg         0         0         0           Niacin         mg         0         0         0           Vitamin B-6         mg         0         0         0           Folate, DFE         µg         0         0         0	Calcium, Ca	mg	0	0		
Phosphorus, P         mg         0         0           Potassium, K         mg         0         0           Sodium, Na         mg         0         0           Zinc, Zn         mg         0         0           Vitamins           Vitamin C, total ascorbic acid         mg         0         0           Thiamin         mg         0         0           Riboflavin         mg         0         0           Niacin         mg         0         0           Vitamin B-6         mg         0         0           Folate, DFE         μg         0         0	Iron, Fe	mg	0.07	0.01		
Potassium, K         mg         0         0           Sodium, Na         mg         0         0           Zinc, Zn         mg         0         0           Vitamins           Vitamin C, total ascorbic acid         mg         0         0           Thiamin         mg         0         0           Riboflavin         mg         0         0           Niacin         mg         0         0           Vitamin B-6         mg         0         0           Folate, DFE         μg         0         0	Magnesium, Mg	mg	0	0		
Sodium, Na   mg   0   0   0     Zinc, Zn   mg   0   0   0     Vitamins     Vitamin C, total ascorbic acid   mg   0   0     Thiamin   mg   0   0     Riboflavin   mg   0   0     Niacin   mg   0   0     Vitamin B-6   mg   0   0     Fotate, DFE   μg   0   0	Phosphorus, P	mg	0	0		
Zinc, Zn         mg         0         0           Vitamins           Vitamin C, total ascorbic acid         mg         0         0           Thiamin         mg         0         0           Riboflavin         mg         0         0           Niacin         mg         0         0           Vitamin B-6         mg         0         0           Folate, DFE         μg         0         0	Potassium, K	mg	0	0		
Vitamins           Vitamin C, total ascorbic acid         mg         0         0           Thiamin         mg         0         0           Riboflavin         mg         0         0           Niacin         mg         0         0           Vitamin B-6         mg         0         0           Folate, DFE         μg         0         0	Sodium, Na	mg	0	0		
Vitamin C, total ascorbic acid         mg         0         0           Thiamin         mg         0         0           Riboflavin         mg         0         0           Niacin         mg         0         0           Vitamin B-6         mg         0         0           Folate, DFE         μg         0         0	Zinc, Zn	mg	0	0		
Thiamin         mg         0         0           Riboflavin         mg         0         0           Niacin         mg         0         0           Vitamin B-6         mg         0         0           Folate, DFE         μg         0         0	Vitamins					
Riboflavin         mg         0         0           Niacin         mg         0         0           Vitamin B-6         mg         0         0           Folate, DFE         μg         0         0	Vitamin C, total ascorbic acid	mg	0	0		
Niacin         mg         0         0           Vitamin B-6         mg         0         0           Folate, DFE         μg         0         0	Thiamin	mg	0	0		
Vitamin B-6 mg 0 0 Folate, DFE μg 0 0	Riboflavin	mg	0	0		
Folate, DFE µg 0 0	Niacin	mg	0	0		
,,,	Vitamin B-6	mg	0	0		
Vitamin B-12 μg 0 0	Folate, DFE	μg	0	0		
	Vitamin B-12	μg	0	0		
Vitamin A, RAE µg 0 0	Vitamin A, RAE	μg	0	0		
Vitamin A, IU IU 0 0	Vitamin A, IU	IU	0	0		
Vitamin E (alpha-tocopherol) mg 32.3 4.36	Vitamin E (alpha-tocopherol)	mg	32.3	4.36		
Vitamin D (D2+D3) μg 0 0	Vitamin D (D2+D3)	μg	0	0		
Vitamin D IU 0 0	Vitamin D	IU	0	0		
Vitamin K (phylloquinone) µg 24.7 3.3	Vitamin K (phylloquinone)	μg	24.7	3.3		
Lipids						
Fatty acids, total saturated g 19.7 2.66	Fatty acids, total saturated	g	19.7	2.66		
Fatty acids, total g 39.3 5.307		g	39.3	5.307		
Fatty acids, polyunsaturated g 35 4.727	Fatty acids, polyunsaturated	g	35	4.727		
Cholesterol mg 0 0	Cholesterol	mg	0	0		
Other						
Caffeine mg 0 0	Caffeine	mg	0	0		

# **Organoleptic Characteristics:**

Appearance/Clarity Clear @ 130°F Note: This is not a winterized product. Rice bran oil will retain some natural waxes

after processing.

Flavor/Odor Bland/None
Color (Lovibond) Red 3.5 Max
Color (Lovibond) Yellow N/A

## **Typical Analysis Ranges:**

Free Fatty Acid 0.1% Max

(% m/m expressed in oleic acid)

Moisture 0.1% Max

Peroxide Value 1.0 meq/kg max

Iodine Value 78-108
Saponification Value N/A
p-Anisidine Value N/A

Cold Test @0°C - 20 min

Refractive Index N/A Specific Gravity N/A

Oil Stability Index (OSI) @110°C (hrs) - 11

Min Typical

Smoke Point 450°F min

Additives N/A

### **Typical Fatty Acid Ranges:**

<u>i ypicai Fally Acid Kanges.</u>						
C 14:0	Myristic Acid	0.4% Typical				
C 16:0	Palmitic Acid	15.1% Typical				
C 16:1	Palmitoleic Acid	0.2% Typical				
C 17:0	Heptadecanoic Acid	N/A				
C 17:1	Heptadecenoic Acid	N/A				
C 18:0	Stearic Acid	2% Typical				
C 18:1	Oleic Acid	40.9% Typical				
C 18:2	Linoleic Acid	37.9% Typical				
C 18:3	Linolenic Acid	1.5% Typical				
C 20:0	Arachidic Acid	0.7% Typical				
C 20:1	Gadoleic Acid	0.6% Typical				
	(eicosenoic)					
C 22:0	Behenic Acid	0.3% Typical				
C 22:1	Erucic Acid	N/A				
C 24:0	Lignoceric Acid	0.4% Typical				

This specification was developed with the utmost care based on up-to-date information available, but should be scrutinized by the recipient. It does not release from checking the quality of goods delivered with proper diligence.

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