

# Broccoli Seed Oil

## COMPOSITION

This product is 100% Broccoli Seed Oil produced without the use of excipients or additives.

## INCI NAME AND CAS NO.

INCI Name: Brassica oleracea italica (Broccoli) Seed Oil  
CAS no.: 90131-63-8

## SPECIFICATIONS – PERSONAL CARE

Appearance: Free flowing, light to dark gold colored oil  
Odor: Characteristic  
Country of Origin: USA  
Aerobic Plate Count: nmt 100 cfu/g  
Yeast & Mold: nmt 100 cfu/g  
E. Coli: Not detected

## TYPICAL VALUES\*

<b>Beta-carotene</b>	<b>1920 IU/100g</b>	<b>Fatty Acid Profile</b>	<b>% by weight</b>
<b>Retinol</b>	<b>1070 IU/100g</b>	Alpha Linolenic Acid (Omega 3)	0 – 04%
<b>Total Vitamin A</b>	<b>2990 IU/100g</b>	Linoleic Acid (Omega 6)	45 – 55%
<b>Total Vitamin K</b>	<b>Not Detected</b>	Oleic (Omega 9)	15 – 25%
<b>Sulforaphane</b>	<b>Not Detected</b>	Palmitic Acid	10 – 15%
<b>Glucoraphin</b>	<b>Not Detected</b>		
<b>Specific Gravity</b>	<b>0.923 – 0.933</b>	<b>Vitamin E</b>	
		Total Tocopherols	49.3 µg/100g
		<b>Carotenoids</b>	
		trans-Lutein	33.81 µg/g
		Total Carotenoids	48.31 µg/g

\* Please note that these values are taken from a representative lot of material. Botanic Innovations does not test for these values on every lot of material and they are subject to change.

**STORAGE**

For best shelf-life preservation, keep product sealed and store in a dry, cool place, preferably room temperature (75°) or cooler, and away from light.

**SHELF LIFE**

When kept under optimal storage conditions and in the original containers, the shelf life of this material is expected to be 2 years.

**PACKAGING**

This product is packaged in 1 gallon, 5 gallon, and 30 gallon containers.

**GRAS**

This product is a pure food, processed using our NatureFresh-Cold Press™ Technology. As a pure food, this product is considered a natural food product and is regulated by the Food and Drug Administration (FDA) and not required to have GRAS (generally recognized as safe) status.

**FOOD GRADE**

Botanic Innovations, LLC produces their products in a food grade facility subject to inspection by the FDA and the WI Dept. of Agriculture, Trade and Consumer Protection Division of Food Safety. We follow GMPs in the manufacture, holding, and distributions of this product. This product is produced without the use of any excipients or processing aides, rendering it a non-chemically altered version of its seed base. This allows us to declare that the product has been in the food supply since before October 15, 1994 and therefore not a "New Dietary Ingredient". This product is safe for human consumption based on the aforementioned conditions.

**CMR SUBSTANCES**

We certify to the best of our knowledge this product does not contain any EU ECHA SVHCs (substances of very high concern: in accordance with Article 59(10) of the REACH Regulation) or any substances classified as CMRs (Carcinogens, Mutagens, and/or Reprotoxic substances) as outlined in the EU Cosmetic Regulation (EC) No 1223/2009.

**BSE AND TSE**

All bulk agricultural ingredients produced and sold by Botanic Innovations LLC are free from Transmissible Spongiform Encephalopathy (TSE) and Bovine Spongiform Encephalopathy (BSE). The transportation, storage, and manufacturing processes

of Botanic Innovations LLC do not allow these ingredients to come in contact with animal products or materials of animal origin of any kind.

**ALLERGENS**

Botanic Innovations is a food allergen-free facility. A full allergen statement is available upon request.

**GMO**

This product is GMO free.

**NANO-TECHNOLOGY**

This product has been manufactured without the use of any kind of Nanotechnology and does not contain ingredients resulting therefrom.

**IRRADIATION & SEWER SLUDGE**

This product has not been subjected to irradiation or radioactivity, nor treated with sewage sludge.

**PROP 65**

This product is expected to be devoid of the materials in the Californian Safe Program Proposition 65.

**RESPONSIBLE SOURCING STATEMENT**

This product is produced under safe conditions in compliance with social and environmental rules by authorized suppliers using voluntary labor.

**KOSHER**

This product is Kosher Certified.

**HALAL**

This product is Halal compliant.