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Product Specifications

BROCCOLI SEED OIL, PRESSED, ORGANIC PRODUCTION

CAS N/A

INCI: *Brassica Oleracea Italica* (Broccoli) Seed oil

Origin and Production:

Broccoli Seed Oil is obtained by gentle pressing of the broccoli seeds (*Brassica oleracea*). The gold-colored oil has a mild odor.

<i>Test</i>	<i>Specification</i>	
	<u>Min</u>	<u>Max</u>
Sp Gr (20 °C)	0.910	0.918
RI, η_D^{20}	1.465	1.475
Acid Value		3.0
Iodine value	90	120
Saponification Value		200
Color (Gardner)		20
<u>Fatty Acid composition</u>		
Lauric Acid, C (12:0)	0.0	0.05%
Myristic Acid, C (14:0)	0.0	0.05%
Myristoleic Acid, C (14:1)	0.0	0.05%
Palmitic Acid, C (16:0)	0.0	3.0%
Palmotoleic Acid, C (16:1)	0.0	0.5%
Margaric Acid, C (17:0)	0.0	0.05%
Heptadecic Acid, C (17:1)	0.0	0.1%
Stearic Acid, C (18:0)	0.0	2.0%
Oleic Acid, C (18:1)	10.0	20.0%
Linoleic Acid, C (18:2)	10.0	20.0%
Linolenic Acid, C (18:3)	5.0	10.0%

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<i>Test</i>	<i>Specification</i>	
	<u>Min</u>	<u>Max</u>
Octadecatetraen Acid, C (18:4)	0.0	1.0%
Arachidic Acid, C (20:0)	0.0	2.0%
Eicosenoic Acid, C (20:1)	5.0	12.0%
Eicosanedienoic Acid, C (20:2)	0.0	0.05%
Eicosanetraenoic Acid, C (20:4)	0.0	0.05%
Behenic Acid, C (22:0)	0.0	2.0%
Erucic Acid, C (22:1)	40.0	50.0%
Lignoceric Acid, C (24:0)	0.0	0.05%
Nervonic Acid, C (24:1)	0.0	0.05%
Other	0.0	3.0%

Storage: Maintain in a cool, dark containment under nitrogen atmosphere.

The Compliance with the regulations of VO (EG) No. 1881/2006 concerning the determination of the maximum contents of certain contaminations in food with respect to polycyclic aromatic hydrocarbons (PAH) and dioxins are guaranteed by suitable monitoring examinations.

Solvent residues: The pharmaceutical auxiliary material fulfills the requirements made of solvent residues in the European Pharmacopoeia (CPMP/ICH/283/95) and the USP (467 Residual solvents).

This product in question is not affected by the GMO problem. Therefore this product does not need to be labeled regarding any genetic modification as per the new GMO regulations 1829/2003 and 1830/2003.

TSE/BSE risk: This raw material is of pure vegetable origin; during its production, storage and transport it has no contact with animal materials so that any contamination can be ruled out. It is therefore not affected by the regulations with regard to the guidelines stated in chapter 5.2.8 of the European Pharmacopoeia