



## PRODUCT SPECIFICATION SHEET FOR BLACK SEED OIL

GENERAL INFORMATION			
INCI Name	Nigella sativa seed oil L.		
Botanical source	<u>Nigella sativa</u>		
Botanical family	Ranunculaceae		
Description	Fixed oil obtained from seeds of Nigella sativa L.		
Status	Conventional / Organic		
Part of Plant Used	Seeds		
Production Process	Cold Pressed		
Origin	Egypt		
Manufacturer	Pure Essential Oils & Herbs Co.		
REGULATORY INFORMATION			
FEMA	2342	EINECS	290-094-1
FDA	182.20	CAS EINECS	N/A
CAS TCSA	90064-32-7	Product Code	PCP00200
PHYSICAL PROPERTIES			
Appearance	Clear green/brown liquid	Saponification	180.0 – 210.0
Odour/taste	spicy, pungent characteristic odor	Unsaponification Matter	1.93 g/100g
Solubility	Soluble in Alcohol and fixed oils.	Moisture	Max. 0.3 %
Refractive index @20°C	1.4720 – 1.4780	Peroxide	30 - 70 meqO2/Kg
Density @20°C	0.915 – 0.925	Flash Point	> 200°C
Optical Rotation @20°C	N/A	Melting Point	45.00 to 47.00 °C. @ 760.00 mm Hg
Acid Value	< 25 mg KOH/g	Shelf Life	24 Months
Iodine value (g/100g)	110 – 130 mg/g	Uses	Pharmaceutical Industries , Food Additive
Fatty Acid Profile			
Myristic Acid C14:0	<1.0	Oleic Acid C18:1	5 - 30
Palmitic Acid C16:0	0.5 - 15	Linoleic Acid C18:2	45 - 65
Palmitoleic Acid C16:1	<1.0	Linolenic Acid C18:3	<4.0
Stearic Acid C18:0	0.5 - 6	Arachidic Acid C20:0	<1.0
Eicosenoic Acid C20:1	<1.0	Eicosadienoic Acid C20:2	<4.0
Erucic Acid C22:1	<1.5		

### STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

### Disclaimer:

The information contained in this specification is based on data considered to be accurate and reliable as at the date of the specification to the best of the supplier's knowledge and belief. It is user's obligation to determine the safe use of the product for its own applications or suitability for use since the conditions of use, handling, storage and disposal are beyond the supplier's control. The user should therefore take all necessary precautions to ensure the safe and suitable use of the product described in the specification.

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**Manager Quality Control,**  
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Approved by:	QA	Version:	24 Jan. 2020
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