

TECHNICAL DATA SHEET BLACK SEED CARRIER OIL

PARAMETER	SPECIFICATION
Product	Black Seed Carrier Oil
Botanical name	<i>Nigella sativa</i>
Description	Brown to deep brown liquid
Odour & Taste	Characteristic
Solubility	Soluble in alcohol & oils. Insoluble in water
Free fatty acid (%w/w)	NMT 20%
Specific gravity	0.910 to 0.950
Optical rotation	-5° to +5°
Iodine value	120 to 145
Saponification value	180 to 200
Refractive index @ 20°C	1.4700 to 1.4730
Fatty Acid Profile	
Palmitic Acid	5.0 to 12.0%
Stearic Acid	2.0 to 4.0%
Oleic Acid	25.0 to 40.0%
Linoleic Acid	52.0 to 60.0%
Linoleic Acid	0.1 to 1.0%
Minor fatty acid	NMT 5.0%
Microbiological Analysis	
Total viable aerobic count	NMT 10 ³ cfu/gm.
Total Enterobacteriaceae	NMT 10 ² cfu/gm
Total Fungal count	NMT 10 ² cfu/gm
E. coli & Salmonella	Absent
S. aureus	Absent
Flash point	Above 198°C
Storage Condition	Store at room temperatures in a well closed container away from direct heat and
Shelf life	24 months from the date of manufacturing under specified storage conditions.
Handling use	Use proper personal protective equipment (PPE) when handling this product.
	Avoid inhalation, ingestion, or skin contact. Handle in a well-ventilated area.

The sample Complies with the above said specification.

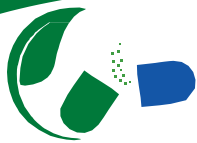
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Analysed By



Approved By

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