

ThymoQuin 3%

Product Data sheet

Rev 10.10.2019

Nigella Sativa – Black Seed - Cold Press Oil Thymoquinone – 3%

Color	Green yellow	
Thymoquinone	Min. 3.0% Max. 3.4%	method: In-house GC-FID
Carvacrol***	not more than 0.1%	method: In-house GC-FID
p-Cymene	not less than 1.0%	method: In-house GC-FID
Free Fatty Acids	not more than 2.5%	
(calculated as Oleic acid)		AOAC 940.28
Peroxide Value***	not more than 10 meq O2/kg oil *	
Peroxide Value***	not more than 450 meq O2/kg oil **	
Relative Density***	0.910-0.935 g/cm ³	
Refractive Index ***	1.45-1.50	
Moisture***	not more than 0.1%	
Heavy metal ****		
Pb	not more than 0.1 ppm (ICP/AA)	
Arsenic	not more than 3 ppm	
Cadmium	not more than 3 ppm	
Mercury	not more than 3 ppm	

<u>FATTY ACID Profile****</u>	<u>SPECIFICATIONS</u>
<i>C16:0 Palmitic acid</i>	11%-13%
<i>C18:1 Oleic acid</i>	19%-25%
<i>C18:2 Linoleic acid</i>	53%-63%

Microbial Specification

TPC	less than 1000 CFU/gr
Yeast/Mold	less than 100 CFU/gr
Salmonella	Negative/10 gr
E-coli	Negative/10gr

* Tested by CDR analyzer using our own specific method

** Tested by AOCS Cd 8b-90 method. (this method count the Thymoquinone content)

*** value will not be added to COA **** tested periodically