

CERTIFICATE OF ANALYSIS

Red Raspberry Seed Oil Organic

Product name:	Red Raspberry Seed Oil Organic
INCI Name:	Rubus Idaeus (Red Raspberry) Seed Oil
Origin:	Canada
Part used:	Seed
Lot Number:	CA67865R12
Production Year:	2013
Extraction:	Cold Pressed/Unrefined
% Organic	USDA (NOP) certified 100% Organic
CAS #:	72379-31-8



Specifications

Analytical Details

Results

Appearance	Brilliant Clear
Odor	Characteristic
Flavor	Natural-Characteristic-Mild
Color Lovibond 5 ¼"	45 R / 12 Y Max
Color	Yellow to Light Green
Peroxide Value	Max. 10 meq O ₂ /kg oil
Iodine Value	155-170
Saponification Value	184-191
Soap	0 ppm
Free Fatty Acids	5.0 % max
Specific Gravity	0.912-0.928
Refractive Index	1.470 - 1.482
Moisture and Volatiles	0.1 % max.
Insoluble Impurities	< 0.1 % max.
Pesticides Residue	Free from OP and OC
Additives	No
Chemical Refining	No
Cold Test 0°C	>5 hours
Total tocopherols	Normally 1500-3000 ppm*

* Most probable values

Fatty Acids Profile**Methyl esters**

C 14:0 Myristic	0 - 0.1
C 16:0 Palmitic	2.0-4.0
C16:1 Palmitoleic	0 - 0.1
C18:0 Stearic	1.0 - 3.0
C18:1 Oleic	13.0 - 15.0
C18:2 Linoleic	50.0 - 60.0
C18:3 w6 Linolenic	0 - 0.1
C18:3 w3 Linolenic	20.0 - 28.0
C20:0 Arachidic	0 - 1.0
C20:1 Gadoleic	0 - 0.4
C20:2 Eicosanoic	0 - 0.2
C22:0 Behenic	0 - 0.3

Quality Control Department

This information is accurate to the best of our knowledge and was compiled through testing methods in our laboratory, and with the assistance of our suppliers, harvesters, and processors information. We make no warranty, either expressed or implied in the complete accuracy of the information listed herein. The data in this analysis is used only as an average for the solicitation of the aforementioned botanicals. It is the responsibility of the buyer to provide themselves with up to date botanical analysis for any botanicals purchased through
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