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Certificate of Analysis Sheet

Organic Wheatgerm Oil

(*Triticum vulgare*)

Material Supplier:

NHR Organic Oils
24 Chatham Place
Brighton, BN1 3TN
Tel : +44 1273 746505
E-mail : info@nhrorganiccoils.com

Trade Name:	Wheatgerm Oil Organic	INCI Name:	<i>Triticum Vulgare</i> (Wheatgerm) Germ Oil
CAS No:	68917-73-7 / 84012-44-2	EC No:	281-689-7
Country of Origin:	USA	Country of Manufacture:	USA
Manufactured:	April 2018	Shelf Life:	24 Months
Batch No:	110718-16		

Description:

The oil obtained by cold pressing the Wheat Germ, *Triticum Vulgare*, *Poaceae*. It consists primarily of the glycerides of the fatty acids.

ANALYTICAL DETAILS	UNIT	RANGE	RESULT
Appearance	Organoleptic	Clear oily liquid	Conforms
Colour	Organoleptic	Orange to yellow brown	Conforms
Odour	Organoleptic	Characteristic	Conforms
Refractive Index @ 20°C	-	1.472 – 1.478	1.474
Specific Gravity @ 20°C	g/ml	0.920 – 0.925	0.922
Acid Value	mg KOH/g	≤ 5.0	3.1
Peroxide Value	meq O ₂ /kg	≤ 10.0	3.87
Saponification Value	mg KOH/g	180 – 200	195
Iodine Value	mg/g	115 – 140	130
Unsaponifiable Matter	%	≤ 5.0	4.9
Flash Point	Closed Cup	> 300°C	Conforms

TYPE	Acid NAME	UNIT	RANGE	RESULT
C16:0	Palmitic	%	14.0 – 19.0	17.1
C16:1	Palmitoleic	%	≤ 1.0	0.2
C18:0	Stearic	%	≤ 2.0	0.8
C18:1	Oleic	%	12.0 – 23.0	16.9
C18:2	Linoleic	%	52.0 – 59.0	56.3
C18:3	α-Linolenic	%	3.0 – 10.0	6.1
C20:0	Arachidic	%	≤ 1.00	0.2
C20:1	Eicosenoic	%	≤ 2.00	1.5
C22:0	Behenic	%	≤ 1.00	0.3

Storage: Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

Shelf Life: The shelf life is 24 months if unopened. Once opened the shelf life of the oil is limited by temperature, light and oxygen exposure. Any remaining oil should be blanketed with nitrogen and used as soon as possible.