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## Certificate of Analysis Sheet Organic Wheatgerm Oil (*Triticum vulgare*)

Product Name	Organic Wheatgerm Oil CP FG				
Customer	-				
Batch	071117-5	Product Code	-	Date	05/09/2017

### TEST RESULTS

ANALYTICAL TEST	SPECIFICATION RANGE	RESULT
Appearance	Clear oily liquid, golden amber	Conforms
Odour	Characteristic	Conforms
Relative Density @ 20°C (g/ml)	0.920 – 0.930	0.920
Refractive Index @ 20°C	1.472 – 1.478	1.474
Acid value (mgKOH/g)	≤ 5.0	2.4
Iodine value (mg/g)	120.0 – 135.0	127.0
Saponification value (mgKOH/g)	180.0 – 195.0	194.0
Unsaponifiable matter (%)	≤ 5.0	5.0
Vitamin E (mg/kg)	≥ 2500	2570
Peroxide value (Meq/kg)	<10.0	3.14 <i>(At time of production analysis)</i>
Gluten Content (ppm)	< 5.0	Complies
<b>Fatty Acid Profile (%)</b>		
C 16:0 Palmitic Acid	14.0 – 19.0	18.4
C 16:1 Palmitoleic Acid	≤ 1.0	0.2
C 18:0 Stearic Acid	≤ 2.0	0.8
C 18:1 Oleic Acid	12.0 – 23.0	16.8
C 18:2 Linoleic Acid	52.0 – 59.0	55.0
C 18:3 Linolenic Acid	3.0 – 10.0	3.1
C 20:0 Arachidic Acid	≤ 1.0	0.2
C 20:1 Eicosenoic Acid	≤ 2.0	1.5
C 22:0 Behenic Acid	≤ 1.0	0.3

### STORAGE

Shelf life of this product is influenced by many conditions of which temperature, exposure to light / air and general good storage are the major factors. Material stored in adverse conditions may deteriorate much faster. Our suggested "Re-test" date shown on this certificate reflects a minimum period in which we would expect product to remain in good usable conditions if stored as recommended. Thereafter its continued shelf life may be very much longer and we advise re-test at the indicated date and then every 3-6 months up to a suggested commercial expiry date as shown below. The expiry date is subjective and should be controlled by QC/QA. Typical indicators of re-test failure would be changes in organoleptic properties (clarity / colour / sediment / haze / off odour etc) Such changes may be gradual and slight and the commercial expiry date is intended to reflect a viable maximum proposal subject to earlier re-test approvals

### STABILITY

Date of packing:	09/17
Re-test date:	03/19
Commercial expiry date:	09/19