

## PRODUCT SPECIFICATION

<b>Product Name</b>	Wheatgerm Oil Refined			
<b>Date</b>	30/09/2021	<b>Product Code</b>	<b>Rev</b>	12
<b>Description</b>	Oil obtained by solvent extraction from the germ of 'Triticum vulgare' chemically refined, bleached and deodorized with added Vitamin E (BASF Covi-Ox T 70 EU Natural Tocopherols)			
<b>Appearance</b>	Pale to bright yellow liquid			
<b>Odour</b>	Almost odourless			
<b>INCI Name</b>	Triticum vulgare germ oil & tocopherol			
<b>CAS Number</b>	68917-73-7/84012-44-2	<b>EC Number</b>	281-689-7	

### TEST SPECIFICATION

Analytical Test	Specification Range	Method
Colour (Y/R)	Max. 35/2,5	Lovibond 5¼"
Specific gravity (20°C)	0.910 – 0.925	EP 7 (2.2.5.)
Refractive index (20°C)	1.469 – 1.479	EP 7 (2.2.6.)
Acid value (mgKOH/gr)	Max. 1.0	EP 7 (2.5.1.)
Iodine value (grI <sub>2</sub> /100gr)	115 – 140	EP 7 (2.5.4.)
Peroxide value (meqO <sub>2</sub> /kg)	Max. 2.0	EP 7 (2.5.5.)
Saponification value (mgKOH/gr)	180 - 195	EP 7 (2.5.6.)
Unsaponifiable matter (%)	Max. 3.0	EP 7 (2.5.7.)
Vitamin E (mg/kg)	Min. 1500	USP 29 (551)
<b>Fatty acids composition:</b>		EP 7 (2.4.22)
C16:0 Palmitic Acid %	10.0 – 18.0	
C16:1 Palmitoleic Acid %	Max. 0.5	
C18:0 Stearic Acid %	0.5 – 3.0	
C18:1 Oleic Acid %	14.0 – 26.0	
C18:2 Linoleic Acid %	50.0 – 62.0	
C18:3 Linolenic Acid %	2.0 – 10.0	
C20:1 Eicosenoic Acid %	Max 2.0	

### STORAGE

The product should be stored in unopened drums out of direct sunlight at a temperature of between 15 and 25°C. It is recommended that partially used drums should be purged with nitrogen in order to reduce the onset of oxidation.

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**DISCLAIMER:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

Please note as this is a wholly natural material some parameters, in particular, appearance, colour and odour, may change due to natural variation and climate change. This in no way affects the quality and efficacy of the product.