



AGRAR Srl - VIA MONTE DEL MARMO, 52 - 00166 ROME (Italy)

RAW MATERIALS for COSMETICS, NUTRACEUTICALS & PHARMACEUTICALS

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Roma, 12/04/2022

Batch 60/22/22  
Net weight KG 23.

ASSAY CERTIFICATE & specifications		
WHEAT GERM OIL "refined"		
(Triticum vulgare)		
cold-pressed without solvents, for cosmetic use		
INCI name	TRITICUM VULGARE GERM OIL	
CTFA name	Wheat Germ Oil	
CAS	68917-73-7 / 8006-95-9	
EINECS	- / 291-063-5	
Description	light yellow clear liquid, of slight odor and taste, obtained by cold-pressure without solvents; it is then mechanically filtered and discolored; does not contain antioxidants or additives	
Solubility	insoluble in water; soluble in oils and fats; partially soluble in alcohol	
	Values	Specifications
Identification & Purity	conforms	conforms
Color (Lovibond)	conforms	$\leq 70Y, \leq 4.0R$
Color (Gardner)	conforms	about 5
Turbidity Point	conforms	circa 8 - 10 $^{\circ}C$
Iodine Value (g I <sub>2</sub> /100 g)	120	120 - 135
Saponification Value (mg KOH/g)	192	186 - 195
Peroxides Value (meq O <sub>2</sub> /kg)	1.1	$\leq 5$ (when drumming in factory)
Acid Value (mg KOH/g)	0.47	$\leq 1.0$
Unsaponifiables	1.4	1 - 2 %
Refractive Index at 25 $^{\circ}C$	1.473	1.472 - 1.476
Density at 25 $^{\circ}C$ (g/ml)	0.919	0.917 - 0.924
Medium Fatty Acids composition (GC):		
Palmitic Acid (esadecanoic)	conforms	C-16:0 = 11.0 - 14.0 %
Palmitoleic Acid (cis-9-esadecenoic)	conforms	C-16:1 = 0.1 - 2.0 %
Stearic Acid (ottadecanoic)	conforms	C-18:0 = 0.5 - 2.0 %
Oleic Acid (cis-9-ottadecenoic)	conforms	C-18:1 = 20.0 - 29.0 %
Linoleic Acid (9,12-ottadecadienoic)	conforms	C-18:2 = 50.0 - 60.0 %
alpha-Linolenic Acid (9,12,15-		



ottadecatrienoic)	conforms	C-18:3 = 1.5 – 5.0 %
Arachidic Acid (eicosanoic)	conforms	C-20:0 = 0.1 – 0.5 %
Gadoleic Acid (cis-9-eicosenoic)	conforms	C-20:1 = 0.3 – 0.8 %
Behenic Acid (docosanoic)	conforms	C-22:0 = 0.2 – 0.6 %
Foreign Oils	absent	absent
Heavy Metals	conforms	<= 10 ppm
Residual Solvents	absent	not used
Pesticides	conforms	conforms to EP & Dir. 2008/839/CE
Total Bacterial Count	conforms	< 10 cfu/g (anhydrous product)
Molds & Yeasts	conforms	< 10 cfu/g (anhydrous product)
Pathogens	absent	absent
Shelf Life	2 years from production date: keep in well-sealed containers with little air inside, in a cool and dry place, avoiding direct light	
Declarations	<p>REACH conforming (not applicable to natural products not obtained by synthesis);  Suitable for KOSHER &amp; HALAL (but without their certifications);  Suitable for VEGANS &amp; VEGETARIANS (but without certifications);  BSE/TSE not applicable = NON ANIMAL ORIGIN;  Does NOT contain ALCOHOL; Does NOT contain ALLERGENS for cosmetics or foods;  NOT ANIMAL tested (Dir. 1223/2009/CE);  Does NOT contain CMR substances;  Does NOT contain COLORS, PRESERVATIVES, ANTIOXIDANTS or CHELATING AGENTS;  Does NOT contain CONTAMINANTS (Dir. 1881/2006/CE &amp; Dir. 629/2008/CE);  Does NOT contain COSMETIC forbidden substances;  Does NOT contain DIOXANE; Does NOT contain DOPING agents;  Does NOT contain ENDOCRIN DISRUPTORS; Does NOT contain ETHYLENE OXIDE;  Does NOT contain FORMALDEHYDE; Does NOT contain GLUTEN;  Does NOT contain GMO materials; NOT IRRADIATED (gamma rays);  Does NOT contain LACTOSE; Does NOT contain LATEX; Does NOT contain MELAMINE;  Does NOT contain MICROBEADS or MICROPLASTICS; Does NOT contain NANOMATERIALS;  Does NOT contain NITRATES, NITRITES or NITROSAMINES;  Does NOT contain PALM OIL; Does NOT contain PARABENS;  Does NOT contain PEG/PPG; Does NOT contain PETROLEUM or PETROLATUM derivatives;  Does NOT contain PHTALATES; Does NOT contain POLYCYCLIC AROMATIC  HYDROCARBONS; Does NOT contain SILICONS; Does NOT contain SLS/SLES;  Does NOT contain residual SOLVENTS; Does NOT contain SVHC substances;  Does NOT contain WADA substances (World Anti-Doping Agency);  Does NOT contain SUBSTANCES of the attachment III-bis of the Dir. 68/2007/CE and it is  conforming to Dir. 1223/2009/CE &amp; 831/2019/CE.</p>	
Production Date	May 2021	
Re-Test Date	May 2023	
Electronically generated document, valid without signature and conforming to the original	<b>AGRAR Srl</b> <i>Dr. Paolo Marton</i>	