

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

Product	: Wheat Germ Oil
INCI name	: Triticum Vulgare (Wheat) Germ Oil
CAS No	: 84012-44-2
Best Before	: As mentioned on label

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance	: Pale yellow to golden yellow liquid.	Complies
Odor	: Characteristic odor.	Complies
Solubility	: Insoluble in water.	Complies
Relative Density	: About 0.925	0.924
Refractive Index	: About 1.475	1.476
Moisture Content	: ≤ 0.10 %	0.03
Peroxide Value	: ≤ 10.0 %	3.6
Unsaponifiable Value	: ≤ 5.0 %	3.3
Palmitic Acid	: 14.0 - 19.0%	15.8
Stearic Acid	: ≤ 2.0%	0.8
Oleic Acid	: 12.0 - 23.0%	17.4
Linoleic acid	: 52.0 - 59.0 %	57.6
Linolenic acid	: 3.0 - 10.0%	5.9
Cis-5-eicosenoic Acid (C20:1 d5)	: ≤ 2.0 %	1.3

Storage: Store in air tight containers; in a cool dry area; away from direct sunlight.