

Certificate of Analysis No. G 328

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Analysis required by : HeW Pharma BV, Vaartkaai 52F, 2170 Merksem, Belgium

Sample delivery date: 1/30/2025

Analysis finalization date: 2/17/2025

Purchase Order: **28.1.2025**
Sample description: **Sample 002: Almond oil, refined**
Batch No.: **R2500175**
Specification: **Ph.Eur. 11.0**

Results:

Test	Limit	Found	Unit	Method
Appearance	Pale yellow, clear liquid. Slightly soluble in ethanol (96 per cent), miscible with light petroleum.	complies		Visually
Relative density		0,918		Ph. Eur. 2.2.5
Freezing point		-18	°C	Ph. Eur. 2.2.18
Identification A	complies	complies		Ph. Eur. 2.3.2
Identification B	complies	complies		Ph. Eur. 2.4.22
Specific absorbance	0,2 - 6,0	1,4		Ph. Eur. 2.2.25
Acid value	max. 0,5	0,4		Ph. Eur. 2.5.1
Peroxide value	max. 5,0	1,9		Ph. Eur. 2.5.5
Unsaponifiable matter	max. 0,9	0,2	%	Ph. Eur. 2.5.7
Composition of fatty acids	complies	complies		Ph. Eur. 2.4.22
Saturated fatty acids of chain length less than C16	max. 0,1	<0,05	%	Ph. Eur. 2.4.22
Palmitic acid	4,0 - 9,0	5,6	%	Ph. Eur. 2.4.22
Palmitoleic acid	max. 0,8	<0,05	%	Ph. Eur. 2.4.22
Margaric acid	max. 0,2	<0,05	%	Ph. Eur. 2.4.22
Stearic acid	max. 3,0	2,4	%	Ph. Eur. 2.4.22
Oleic acid	62,0 - 86,0	68,7	%	Ph. Eur. 2.4.22
Linoleic acid	20,0 - 30,0	22,4	%	Ph. Eur. 2.4.22
Linolenic acid	max. 0,4	0,1	%	Ph. Eur. 2.4.22
Arachidic acid	max. 0,2	0,2	%	Ph. Eur. 2.4.22
Eicosenoic acid	max. 0,3	0,1	%	Ph. Eur. 2.4.22
Behenic acid	max. 0,2	0,2	%	Ph. Eur. 2.4.22
Erucic acid	max. 0,1	<0,05	%	Ph. Eur. 2.4.22
Sterols	complies	complies		Ph. Eur. 2.4.23
Cholesterol	max. 0,7	0,4	%	Ph. Eur. 2.4.23
Campesterol	max. 5,0	3,7	%	Ph. Eur. 2.4.23
Stigmasterol	max. 4,0	1,8	%	Ph. Eur. 2.4.23
Beta sitosterol	73,0 - 87,0	79,4	%	Ph. Eur. 2.4.23
Delta-5-avenasterol	min. 5,0	11,8	%	Ph. Eur. 2.4.23
Delta 7-stigmastenol	max. 3,0	0,1	%	Ph. Eur. 2.4.23
Delta-7-avenasterol	max. 3,0	<3,0	%	Ph. Eur. 2.4.23
Brassicasterol	max. 0,3	<0,3	%	Ph. Eur. 2.4.23
Water	max. 0,1	0,03	%	Ph. Eur. 2.5.32

Responsible persons : Muchová Veronika, Pavelková Hana, Žemličková Pavlína
Edited by: Holaňová Aneta

CONCLUSION : The sample complies with the specifications of the performed analysis.

Ostrava, 2/20/2025

Head of the laboratory: Ing. Jiří Pavelka

Distribution list:

1x HeW Pharma BV

1x Laboratory EKOCENTRUM OVALAB, s.r.o.