

Certificate of analysis



Article	7303	Oleum Amygdalarum raffinat.
Synonym		Raffiniertes Mandelöl
Synonym		Almond oil, refined
Batch	153316	
Specification	PH.EUR. 8.0	
Expiry date	04.2017	

Test	Specification	Result
Characters	In accordance	Complies
-Appearance	In accordance	Complies
-Solubility	In accordance	Complies
-Relative density	Ca. 0,916	0,9180
-Freezing point	Ca. -18 °C	-18 °C
Identification	In accordance	Complies
-Thin-layer chromatography	In accordance	Complies
-B	In accordance	Complies
Tests	In accordance	Complies
-Specific absorbance	0,2 - 6,0	2,5
-Acid value	Max 0,5	0,1
-Peroxide value	Max 5,0	0,8
-Unsaponifiable matter m/m	Max 0,9 %	0,7 %
-Water	Max 0,1 %	0,01 %
Composition of fatty acids	In accordance	Complies
-Saturated fatty acids chain length <C16	Max 0,1 %	Max 0,05 %
-Palmitic acid	4,0 - 9,0 %	6,1 %
-Palmitoleic acid	Max 0,8 %	0,4 %
-Margarinic acid	Max 0,2 %	0,1 %
-Stearic acid	Max 3,0 %	1,5 %
-Oleic acid	62,0 - 86,0 %	66,8 %
-Linoleic acid	20,0 - 30,0 %	23,2 %
-Linolenic acid	Max 0,4 %	0,1 %
-Arachidic acid	Max 0,2 %	0,1 %
-Eicosenoic acid	Max 0,3 %	0,1 %
-Behenic acid	Max 0,2 %	Max 0,05 %
-Erucic acid	Max 0,1 %	Max 0,05 %
Sterols	In accordance	Complies

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Test	Specification	Result
-Cholesterol	Max 0,7 %	0,4 %
-Campesterol	Max 5,0 %	4,7 %
-Stigmasterol	Max 4,0 %	3,9 %
-beta-Sitosterol	73,0 - 87,0 %	73,1 %
-delta 5-Avenasterol	Min 5,0 %	10,8 %
-delta 7-Avenasterol	Max 3,0 %	1,0 %
-delta 7-Stigmastenol	Max 3,0 %	1,2 %
-Brassicasterol	Max 0,3 %	0,1 %
Stabilizer	0,2% Tocopherole	0,2% Tocopherole
Complies specification	*****	Yes

Release date	20.10.2015	Head of Quality Control	Fr. Dr.Haßel
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