



Article	G417	Oleum Aurantii dulcis "FLORIDA"	
Synonym		Süßorangenschalenöl	
Synonym		Sweet orange oil "Florida"	
Batch	24002024		
Specification	Ph.Eur.11.0		
Production date	03.2024	Retest date	03.2027

Test	Specification	Result
Characters	According to specification	Complies
Appearance	According to specification	Complies
Identification	According to specification	Complies
Thin-layer chromatography	According to specification	Not carried out
Gas chromatography	According to specification	Complies
Tests	According to specification	Complies
Relative density	0,842 ... 0,850	0.847
Refractive index	1,470 ... 1,476	1.474
Optical rotation	9,4 ... 9,9	9.8 °
Peroxide value	Max. 20	3
Fatty oils and resinified ess. oils	According to specification	Complies
Bergapten	According to specification	Complies
Residue on evaporation	1,0 ... 5,0 %	2.1 %
Chromatographic profile	According to specification	Complies
Alpha-Pinene	0,4 ... 0,6 %	0.6 %
Sabinene	0,2 ... 1,1 %	0.3 %
Beta-Pinene	0,02 ... 0,30 %	0.02 %
Beta-Myrcene	1,5 ... 2,5 %	2.0 %
Octanal	0,1 ... 0,4 %	0.2 %
Limonene	92,0 ... 97,0 %	95.3 %
Linalol	0,2 ... 0,7 %	0.5 %
Decanal	0,1 ... 0,4 %	0.2 %
Neral	0,02 ... 0,10 %	0.05 %
Geranial	0,03 ... 0,20 %	0.08 %
Valencene	0,02 ... 0,50 %	0.02 %
Antioxidant	Quantity / description	Keine

Certificate of analysis



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Test	Specification	Result
Heavy metals	According to specification	Complies
Lead	Max. 5,0 ppm	0.0 ppm
Cadmium	Max. 1,0 ppm	0.0 ppm
Mercury	Max. 0,1 ppm	0.0 ppm
Pesticide residues	According to specification	Complies
Aflatoxins	According to specification	Complies
Microbiological quality	According to specification	Complies
TAMC (CFU/g)	Max. 200 CFU/g	< 100 CFU/g
TYMC (CFU/g)	Max. 20 CFU/g	< 10 CFU/g
Escherichia coli	Max. 0 CFU/g	0 CFU/g
Salmonella	Max. 0	0 KBE/10g
Staphylococcus aureus	Max. 0 CFU/g	0 CFU/g
Pseudomonas aeruginosa	Max. 0 CFU/g	0 CFU/g
Gram-negative bacteria that tolerate bile salts	Max. 0 CFU/g	0 CFU/g
Complies specification		Yes

Release date	14.11.2024	Released by	Frau Apoth. Dr. Schücker, QP
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Results marked with # were taken from the manufacturer's certificate.

The batch 24002024 complies specification.

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