



Article	G439	Oleum Cinnamomi ceylanici	
Synonym		Zimtöl (Ceylon)	
Synonym		Cinnamon bark oil, Ceylon	
Batch	23003206		
Specification	Ph.Eur.11.0		
Production date	12.2022	Retest date	12.2025

Test	Specification	Result
Characters	According to specification	Complies
Appearance	According to specification	Complies
Identification	According to specification	Complies
Thin-layer chromatography	According to specification	Complies
Gas chromatography	According to specification	Not carried out
Tests	According to specification	Complies
Relative density	1,000 ... 1,030	1.028
Refractive index	1,572 ... 1,591	1.589
Optical rotation	-2 ... 1	-2 °
Chromatographic profile	According to specification	Complies
Cineole	Max. 3,0 %	2.7 %
Linalol	1,0 ... 6,0 %	5.8 %
Beta-Caryophyllene	1,0 ... 4,0 %	3.5 %
Safrole	Max. 0,5 %	0.1 %
Trans-Cinnamic aldehyde	55 ... 75 %	74 %
Eugenol	Max. 7,5 %	6.3 %
Coumarin	Max. 0,5 %	0.1 %
Trans-2-methoxycinnamaldehyde	0,1 ... 1,0 %	0.2 %
Benzyl benzoate	Max. 1,0 %	0.7 %
Fatty oils and resinified ess. oils	According to specification	Complies
Heavy metals	According to specification	Complies
Lead	Max. 5,0 ppm	< 0.1 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

Certificate of analysis



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Test	Specification	Result
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	12.01.2024	Released by	Frau Dr. Haßel, QP, LQK
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Results marked with # were taken from the manufacturer's certificate.

The batch 23003206 complies specification.

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