

Certificate of analysis



Article	G432	Oleum Caryophylli	
Synonym		Nelkenöl	
Synonym		Clove oil	
Batch	22002227		
Specification	PH.EUR.10.0		
Production date	06.2022	Retest date	06.2025

Test	Specification	Result
Characters	According to specification	Complies
Appearance	According to specification	Complies
Solubility	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	1,030 ... 1,063	1,050
Refractive index	1,528 ... 1,537	1,535
Optical rotation	-2 ... 0	-1 °
Fatty oils and resinified ess. oils	According to specification	Complies
Solubility in alcohol	According to specification	Complies
Chromatographic profile	According to specification	Complies
Beta-Caryophyllene	5,0 ... 14,0 %	9,3 %
Eugenol	75,0 ... 88,0 %	82,9 %
Acetylugenol	4,0 ... 15,0 %	4,9 %
Complies specification		Yes

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Release date	22.07.2022	Released by	Frau Dr. Haßel, QP, LQK
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Results marked with # were taken from the manufacturer's certificate.

The batch 22002227 complies specification.

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