

Certificate of analysis



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|-----------------|-------------|-------------------|---------|
| Article | G432 | Oleum Caryophylli | |
| Synonym | | Nelkenöl | |
| Synonym | | Clove oil | |
| Batch | 23000958 | | |
| Specification | PH.EUR.10.0 | | |
| Production date | 03.2023 | Retest date | 03.2026 |

| 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 | Complies | |
| Gas chromatography | According to specification | Not carried out | |
| 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 % | 9,1 % | # |
| Eugenol | 75,0 ... 88,0 % | 81,8 % | # |
| Acetyeugenol | 4,0 ... 15,0 % | 5,3 % | # |
| Complies specification | | Yes | |

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|--------------|------------|-------------|---------------------------------|
| Release date | 15.06.2023 | Released by | Frau Apoth. Dr. Schücker, QP |
|--------------|------------|-------------|---------------------------------|

Results marked with # were taken from the manufacturer's certificate.

The batch 23000958 complies specification.

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