



## Certificate of Analysis

**Productname:** Citronellae etheroleum

**Inspection No:** K04934/0823/536

**Batchnumber:** 23E30-T02-106018

**Expiration date:** 22.05.2026

**Analysed according to:** ČL 2017, Ph.Eur.11.0

**Original Manuf. Date:** 23.5.2023

**Sample Unit:** 1 x 1 ml

**Batch Size:** 16 x 100 ml

**Identification of producer:** V00201

**Batch no. of vendor:** 1353378

	Requirement	Result	Unit	Standard remark	Insp. Site
CHARACTERS					
Appearance	Light yellow or brownish yellow liquid.	Conform			Fagron CZ
IDENTIFICATION					
Identification B	Conform	Conform		Chromatographic profile, GC	Contract Lab
TESTS					
Relative density	0,881 - 0,895	0,891			Fagron CZ
Refractive index	1,463 - 1,475	1,469			Fagron CZ
Optical rotation	-4 - +1,5	-3,6	°		Fagron CZ
Chromatographic profile	Conform	Conform		GC	Contract Lab
limonene	1,0 - 5,0	3,8	%		Contract Lab
citronellal	30,0 - 45,0	33,9	%		Contract Lab
citronellyl-acetate	2,0 - 4,0	2,5	%		Contract Lab
neral	<=2,0	0,2	%		Contract Lab
geranial	<=2,0	0,4	%	Geranial	Contract Lab
geranyl-acetate	3,0 - 8,0	3,4	%		Contract Lab
citronellol	9,0 - 15,0	12,0	%		Contract Lab
geraniol	20,0 - 25,0	21,8	%		Contract Lab
Microbiology	Conform	Conform			Contract Lab
TAMC	<=2 x 10 <sup>3</sup>	<10	CFU/g		Contract Lab
TYMC	<=2 x 10 <sup>2</sup>	<10	CFU/g		Contract Lab
TSE/BSE	No contamination with TSE/BSE-risk materials.	Conform			Data Producer
Residual solvents	CPMP/ICH/82 260/2006	Conform			Data Producer
Metallic residues	ICH Q3D on elemental impurities	Conform			Data Producer

Quality: Excipient

**Performed by:** Ludmila Burianová

**Responsible:** Mgr. Zdeňka Šinclová, QC  
MVDr. Zdenka Borská, QP

**Date:** 22.08.2023

**Conclusion:** **APPROVED**

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