

## Certificate of Analysis

**Productname:** Citronellae etheroleum

**Inspection No:** I02502/0321/536  
**Batchnumber:** 20B03-F01-085593  
**Expiration date:** 22.01.2023  
**Analysed according to:** ČL 2017, Ph.Eur.10.0  
**Original Manuf. Date:** 23.1.2020

**Sample Unit:** 1 x 1 ml  
**Batch Size:** 48 x 100 ml

**Identification of producer:** V00201  
**Batch no. of vendor:** 1185722

	Requirement	Result	Unit	Standard remark	Insp. Site
CHARACTERS					
Appearance	Light yellow or brownish yellow liquid.	Conform			Contract Lab
IDENTIFICATION					
Identification B	Conform	Conform		Chromatographic profile	Contract Lab
TESTS					
Relative density	0,881 - 0,895	0,887			Contract Lab
Refractive index	1,463 - 1,475	1,469			Contract Lab
Optical rotation	-4 - +1,5	-3,8	°		Contract Lab
Chromatographic profile	Conform	Conform		GC	Contract Lab
limonene	1,0 - 5,0	4,0	%		Contract Lab
citronellal	30,0 - 45,0	35,9	%		Contract Lab
citronellyl-acetate	2,0 - 4,0	2,7	%		Contract Lab
neral	<=2,0	0,3	%		Contract Lab
geranial	<=2,0	0,4	%	Geranial	Contract Lab
geranyl-acetate	3,0 - 8,0	3,0	%		Contract Lab
citronellol	9,0 - 15,0	12,1	%		Contract Lab
geraniol	20,0 - 25,0	22,8	%		Contract Lab
Microbiology	Conform	Conform			Contract Lab
TAMC	<=2 x 10 <sup>3</sup>	Conform	CFU/g		Contract Lab
TYMC	<=2 x 10 <sup>2</sup>	Conform	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

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**Performed by:** Lucie Kubáňová DiS.

**Responsible:** Ing. Mgr. Kateřina Jokešová, QC  
PharmDr. Ivana Urbánková, QA

**Date:** 16.04.2021

**Conclusion:** **APPROVED**

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