BIORUŽA, s. r. o.

Laborecká 1, 010 01 Žilina, IČO: 52234070, IČ DPH: SK2120953802, tel .: 00421 905 864 140, info@bioruza.sk

No. RN13541 / 11.07.2025

1. **Product name:** Essential oils – Artemisa annua essential oil, Lot No. 16/2025
2. **Test method:** GC/MS
3. **Method of receipt of the samples/test specimens by the laboratory:** submitted on-site by the applicant
4. **Date of receipt of the samples/test specimens by the laboratory:** 07.07.2025
5. **Quantity and packaging of the tested samples/test specimens:** 1 pc. x 3 ml, glass vial
6. **Laboratory No./Sample code:** RN13541
7. **Test date/period:** 07.07.2025-11.07.2025

No.	Laboratory sample No.	Type of test / characteristic	Standardized methods / internally validated laboratory methods	Unit	Test results	Measurement uncertainty	Characteristic value and tolerance according to the method	Test conditions
1	2	3	4	5	6	7	8	9
1	RN13541	α-pinene	GC/MS	%	13.15	-	---	t 20°± 2°C ; rh 36% ± 2%
2	RN13541	Camphene	GC/MS	%	2.64	-	---	t 20°± 2°C ; rh 36% ± 2%
3	RN13541	β-pinene	GC/MS	%	3.20	-	---	t 20°± 2°C ; rh 36% ± 2%
4	RN13541	β-myrcene	GC/MS	%	2.38	-	---	t 20°± 2°C ; rh 36% ± 2%
5	RN13541	Limonene	GC/MS	%	0.23	-	---	t 20°± 2°C ; rh 36% ± 2%
6	RN13541	1.8-Cineole	GC/MS	%	8.91	-	---	t 20°± 2°C ; rh 36% ± 2%
7	RN13541	γ-Terpinene	GC/MS	%	0.42	-	---	t 20°± 2°C ; rh 36% ± 2%
8	RN13541	Artemisia ketone	GC/MS	%	31.97	-	---	t 20°± 2°C ; rh 36% ± 2%
9	RN13541	Yomogi alcohol	GC/MS	%	1.06	-	---	t 20°± 2°C ; rh 36% ± 2%
10	RN13541	Artemisia alcohol	GC/MS	%	2.47	-	---	t 20°± 2°C ; rh 36% ± 2%
11	RN13541	Camphor	GC/MS	%	10.30	-	---	t 20°± 2°C ; rh 36% ± 2%
12	RN13541	Pinacarvone	GC/MS	%	1.68	-	---	t 20°± 2°C ; rh 36% ± 2%
13	RN13541	Terpinen-4-ol	GC/MS	%	0.85	-	---	t 20°± 2°C ; rh 36% ± 2%
14	RN13541	Pinocarveol	GC/MS	%	2.85	-	---	t 20°± 2°C ; rh 36% ± 2%
15	RN13541	α-Terpineol	GC/MS	%	0.40	-	---	t 20°± 2°C ; rh 36% ± 2%
16	RN13541	β-Caryophyllene	GC/MS	%	2.94	-	---	t 20°± 2°C ; rh 36% ± 2%
17	RN13541	Germacrene	GC/MS	%	2.61	-	---	t 20°± 2°C ; rh 36% ± 2%

Note: The essential oil sample was analyzed by gas chromatography in accordance with ISO 7609. Additional information on the operating conditions affecting the test results can be provided upon request.

NOTES:

1. The test results apply only to the tested samples. Extracts from this test report may not be reproduced without the written consent of the testing laboratory;
2. ACLI is not responsible for the accuracy of information when such information has been provided by the client;
3. The standardized test methods form part of ACLI's flexible scope of accreditation;
4. * Within its competence, ACLI is authorized to determine all characteristics covered by the indicated test method and belonging to the product group, following verification, availability of CRM/RM and calibrated technical equipment;
5. ** Withdrawn standard without replacement;
6. ACLI does not report statements of conformity and does not express opinions or interpretations in accordance with clauses 7.8.6 and 7.8.7 of BDS EN ISO/IEC 17025;
7. < limit of quantification (LOQ);
8. The stated expanded uncertainty for chemical tests is based on the combined standard uncertainty and a coverage factor k = 2, providing a coverage probability of approximately 95%;
9. The stated expanded uncertainty for microbiological tests is based on the standard technical uncertainty calculated in accordance with ISO 19036 and a coverage factor k = 2, providing a coverage probability of approximately 95%. This does not include matrix or distribution uncertainty;
10. This report was generated electronically and a paper copy may be issued upon request.
11. The sample was provided by the client; ACLI is not responsible for the sampling stage.
12. Laboratory activities are performed at ACLI's address.