



“Komihris” Analytical Centre for Laboratory Tests

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Certificate of accreditation № 134/ИИ / 09.11.2022, valid until 16.07.2025,

issued by EA BSA, according to БДС EN ISO/IEC 17025:2018

TEST REPORT

№ RA77039 / 27/06/2025

1. **Product name:** Essential oils - Damascena Rose Oil, harvest 2025
2. **Test applicant:** Lema Essential Oils Ltd., c. Kazanlak Bulgaria, Request/26.06.2025
3. **Test method:** БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000
4. **Method of obtaining specimens / samples for testing in the laboratory:** by the applicant by courier
5. **Date of receiving the specimens / samples for testing in the laboratory:** 26/06/2025
6. **Quantity of tested specimens / samples, packaging:** 1 pc x 1 ml, user
7. **Lab. No / sample code:** RA77039
8. **Test date / period:** 26/06/2025–27/06/2025

ACLT MANAGER: Gergana Vasileva


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RESULTS FROM TESTS – Test report RA77039 / 27/06/2025

№ in seq.	Laboratory № of the sample	Type of test/ characteristic	Methods standardized validated internal methods	Unit of measurement	Test results	Uncertainty	Value and tolerance of the characteristic	Testing conditions
1	2	3	4	5	6	7	8	9
1	RA77039	2-Phenylethyl alcohol	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	3,20	0,03	-	t 20± 2°C ; rh 36% ± 2%
2	RA77039	Citronellol	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	22,97	0,34	-	t 20± 2°C ; rh 36% ± 2%
3	RA77039	Docosane(C22)	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	0,13	0,02	-	t 20± 2°C; rh 36% ± 2%
4	RA77039	Ethanol	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	1,15	0,02	-	t 20± 2°C ; rh 36% ± 2%
5	RA77039	Eugenol	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	1,40	0,04	-	t 20± 2°C ; rh 36% ± 2%
6	RA77039	Farnesol	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	2,25	0,12	-	t 20± 2°C ; rh 36% ± 2%
7	RA77039	Geraniol [CAS №106-24-1]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	18,48	0,37	-	t 20± 2°C ; rh 36% ± 2%
8	RA77039	Geranyl acetate [CAS №105-87-3]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	0,92	0,02	-	t 20± 2°C ; rh 36% ± 2%
9	RA77039	Linalool [CAS №78-70-6]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	1,90	0,02	-	t 20± 2°C ; rh 36% ± 2%
10	RA77039	Methyleugenol	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	1,24	0,05	-	t 20± 2°C ; rh 36% ± 2%
11	RA77039	Nerol	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	9,09	0,15	-	t 20± 2°C ; rh 36% ± 2%
12	RA77039	n-Eicosane	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	1,10	0,03	-	t 20± 2°C ; rh 36% ± 2%
13	RA77039	n-Heneicosane(C21)	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	5,22	0,19	-	t 20± 2°C; rh 36% ± 2%
14	RA77039	n-Heptadecane (C 17)	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	1,63	0,25	-	t 20± 2°C ; rh 36% ± 2%
15	RA77039	n-Nonadecane (C19)	БДС ISO 11024-1*:2000, БДС	%	12,19	1,18	-	t 20± 2°C ; rh 36% ± 2%

Test performed by: Zlatomira Novkova

ACLT MANAGER: Gergana Vasileva




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№ in seq.	Laboratory № of the sample	Type of test/ characteristic	Methods standardized validated internal methods	Unit of measurement	Test results	Uncertainty	Value and tolerance of the characteristic	Testing conditions
1	2	3	4	5	6	7	8	9
			ISO 11024-2*:2000					
16	RA77039	n-Tetracosane	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	0,04	0,01	-	t 20°± 2°C ; rh 36% ± 2%
17	RA77039	n-Tricosane(C23)	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	1,18	0,05	-	t 20°± 2°C; rh 36% ± 2%

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

NOTES

- The test results apply only to the tested samples. Extracts from the test report may not be reproduced without the written consent of the testing laboratory;
- ACLT is not responsible for the accuracy of the information in cases where it is provided by the client;
- Standardized test methods are part of the flexible scope of ACLT accreditation;
- * Within its competence, ACLT is authorized to determine all the characteristics of the marked test method, belonging to the products group, after verification, CRM / RM availability and calibrated technical means;
- ** Repealed standard without replacement;
- ACLT does not report a declaration of conformity and does not express opinions and interpretations in accordance with item 7.8.6 and item 7.8.7 of БДС EN ISO / IEC 17025;
- < limit of quantification (LOQ);
- The reported expanded uncertainty of the chemical tests is based on a standard uncertainty multiplied by a coverage factor $k = 2$, providing a confidence level of approximately 95%
- The reported uncertainty in microbiological testing is based on a standard technical uncertainty calculated according to ISO 19036, multiplied by a coverage factor $k = 2$, providing a confidence level of approximately 95%. This does not include matrix or distributive uncertainty;
- This test report was produced electronically and a copy of the document may be issued upon request.
- The sample is provided by the client, the ACLT is not responsible for the sampling / specimen collecting stage.
- Laboratory activities are performed at the address of ACLT.

Test performed by: Zlatomira Novkova

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