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TEST REPORT

№ RA93424 / 07/07/2026

1. **Product name:** Essential oils - Lema Natural Rose Oil, harvest 2026
2. **Test applicant:** Lema Essential Oils Ltd., c. Kazanlak Bulgaria, Request/06.07.2026
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:** 06/07/2026
6. **Quantity of tested specimens / samples, packaging:** 1 pc x 1 ml, user
7. **Lab. No / sample code:** RA93424
8. **Test date / period:** 06/07/2026–07/07/2026

ACLT MANAGER: Gergana Vasileva

 

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RESULTS FROM TESTS – Test report RA93424 / 07/07/2026

№ 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	RA93424	Ethanol [CAS:64-17-5]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	1,56	0,09	-	t (18 ÷ 27)°C ; rh 36% ± 2%
2	RA93424	Linalool [CAS №78-70-6]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	1,29	0,04	-	t (18 ÷ 27)°C ; rh 36% ± 2%
3	RA93424	n-Heptadecane (C 17) [CAS:629-78-7]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	1,60	0,01	—	t (18 ÷ 27)°C ; rh 36% ± 2%
4	RA93424	8Z-Heptadecene [CAS № 16369-12-3]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	0,18	0,02	—	t (18 ÷ 27)°C ; rh 36% ± 2%
5	RA93424	Geranyl acetate [CAS №105-87-3]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	0,91	0,01	—	t (18 ÷ 27)°C ; rh 36% ± 2%
6	RA93424	Citronellol [CAS:106-22-9]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	23,58	0,44	—	t (18 ÷ 27)°C ; rh 36% ± 2%
7	RA93424	Nerol [CAS:106-25-2]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	8,36	0,15	—	t (18 ÷ 27)°C ; rh 36% ± 2%
8	RA93424	Geraniol [CAS №106-24-1]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	16,22	0,25	—	t (18 ÷ 27)°C ; rh 36% ± 2%
9	RA93424	n-Nonadecane (C19) [CAS:629-92-5]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	12,90	0,23	—	t (18 ÷ 27)°C ; rh 36% ± 2%
10	RA93424	9Z-Nonadecene [CAS № 51865-02-2]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	3,03	0,05	—	t (18 ÷ 27)°C ; rh 36% ± 2%
11	RA93424	2-Phenylethyl alcohol [CAS:60-12-8]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	0,88	0,01	—	t (18 ÷ 27)°C ; rh 36% ± 2%
12	RA93424	n-Eicosane(C20) [CAS:112-95-8]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	1,27	0,03	—	t (18 ÷ 27)°C ; rh 36% ± 2%
13	RA93424	Methyleugenol [CAS:93-15-2]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	1,22	0,03	—	t (18 ÷ 27)°C ; rh 36% ± 2%
14	RA93424	n-Heneicosane(C21) [CAS:629-94-7]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	6,36	0,19	—	t (18 ÷ 27)°C ; rh 36% ± 2%
15	RA93424	Eugenol [CAS:97-53-0]	БДС ISO 11024-1*:2000, БДС	%	1,34	0,03	—	t (18 ÷ 27)°C ; rh 36% ± 2%

Test performed by: Zlatomira Novkova

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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	RA93424	n-Docosane(C22) [CAS:629-97-0]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	0,19	0,01	—	t (18 ÷ 27)°C ; rh 36% ± 2%
17	RA93424	n-Tricosane(C23)[CAS № 638-67-5]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	1,46	0,07	—	t (18 ÷ 27)°C ; rh 36% ± 2%
18	RA93424	Farnesol [CAS:4602-84-0]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	2,19	0,06	—	t (18 ÷ 27)°C ; rh 36% ± 2%
19	RA93424	n-Tetracosane(C24) [CAS:646-31-1]	БДС ISO 11024-1*:2000, БДС ISO 11024-2*:2000	%	0,07	0,01	—	t (18 ÷ 27)°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

1. 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;
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5. ** Repealed standard without replacement;
6. 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;
7. < limit of quantification (LOQ);
8. 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%
9. 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;
10. This test report was produced electronically and a copy of the document may be issued upon request.
11. The sample is provided by the client, the ACLT is not responsible for the sampling / specimen collecting stage.
12. Laboratory activities are performed at the address of ACLT.

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