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## TEST REPORT

№ RA93425 / 10/07/2026

1. **Product name:** Cosmetic products - Lema Natural Rose Water - harvest 2026, Hamur 1
2. **Test applicant:** Lema Essential Oils Ltd., c. Kazanlak Bulgaria, Request/06.07.2026
3. **Test method:** БДС EN ISO 21149:2017; БДС EN ISO 16212:2017, БДС EN ISO 21150:2016, БДС EN ISO 22717:2016, БДС EN ISO 22718:2016, БДС EN ISO 18416:2016, БДС ISO 279:2001, ILM 38 GC FID/2024, BS-II-02/2006
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 500 ml, PVC bottle
7. **Lab. No / sample code:** RA93425
8. **Test date / period:** 06/07/2026–10/07/2026

**ACLT MANAGER:** Gergana Vasileva

 

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# RESULTS FROM TESTS – Test report RA93425 / 10/07/2026

| № 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         | RA93425                    | Total number of aerobic mesophilic microorganisms (bacteria, moulds and yeasts) | БДС EN ISO 21149:2017; БДС EN ISO 16212:2017    | cfu/g               | <10                | -           | $\leq 1.10^3$                             | $t_i (32,5 \pm 2,5) ^\circ\text{C}$ ; $t_i (25 \pm 2,5) ^\circ\text{C}$ ; rh 36% $\pm$ 2% |
| 2         | RA93425                    | Escherichia coli                                                                | БДС EN ISO 21150:2016                           | -                   | not detected in 1g | -           | not detected in 1 g or 1 ml               | $t_i (32,5 \pm 2,5) ^\circ\text{C}$ ; rh 36% $\pm$ 2%                                     |
| 3         | RA93425                    | Pseudomonas aeruginosa                                                          | БДС EN ISO 22717:2016                           | -                   | not detected in 1g | -           | not detected in 1 g or 1 ml               | $t_i (32,5 \pm 2,5) ^\circ\text{C}$ ; rh 36% $\pm$ 2%                                     |
| 4         | RA93425                    | Staphylococcus aureus                                                           | БДС EN ISO 22718:2016                           | -                   | not detected in 1g | -           | not detected in 1 g or 1 ml               | $t_i (32,5 \pm 2,5) ^\circ\text{C}$ ; rh 36% $\pm$ 2%                                     |
| 5         | RA93425                    | Candida albicans                                                                | БДС EN ISO 18416:2016                           | -                   | not detected in 1g | -           | not detected in 1 g or 1 ml               | $t_i (32,5 \pm 2,5) ^\circ\text{C}$ ; rh 36% $\pm$ 2%                                     |
| 6         | RA93425                    | Relative density                                                                | БДС ISO 279:2001                                | -                   | 0,9938             | 0,0028      | От 0,992 до 0,999                         | $t (18 \div 27) ^\circ\text{C}$ ; rh 36% $\pm$ 2%                                         |
| 7         | RA93425                    | Ethanol                                                                         | ILM 38 GC FID/2024                              | % (v/v)             | 1,30               | 0,13        | $\leq 4,0$                                | $t (18 \div 27) ^\circ\text{C}$ ; rh 36% $\pm$ 2%                                         |
| 8         | RA93425                    | Essential oil                                                                   | BS-II-02/2006                                   | %                   | 0,051              | 0,002       | $\geq 0,025$                              | $t (18 \div 27) ^\circ\text{C}$ ; rh 36% $\pm$ 2%                                         |

**Test performed by:** Elena Stoyanova, Kameliya Vasileva, 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                           |
| 9         | RA93425                    | pH                           | BS-II-02/2006                                   | -                   | 5,45         | 0,08        | От 4,0 до 7,5                             | t (18 ÷ 27)°C ; rh 36% ± 2% |

Note: Value and limit of characteristic acc. to BC-II-02

### 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.

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