



# National Laboratory Bul Rose Ltd

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## ANALYTICAL CERTIFICATE

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Test samples: BULGARIAN ROSE DAMASCENA OIL  
Batch 06.2019  
Producer: "SENTS" LTD – Bulgaria.

### PHYSICO-CHEMICAL PROPERTIES ACCORDING TO THE BULGARIAN STATE STANDARD

Appearance

Fluid transparent liquid above the  
congealing point

Colour

Yellow

Odour

Typical of Bulgarian Rose Oil

### Characteristic components (by GC-MS-analysis), %

1	Ethanol	1.52
2	cis-Rose oxide	0.34
3	trans-Rose oxide	0.15
4	$\beta$ -Linalool	1.23
5	Citronellol	27.45
6	Nerol	11.82
7	Geraniol	19.59
8	Geranyl acetate	1.45
9	$\beta$ -Phenyl ethanol	2.20
10	Heptadecane (parafine C <sub>17</sub> )	1.58
11	Methyleugenol	1.42
12	Nonadecane - (alkan C <sub>19</sub> )	10.74
13	Nonadecene - (alken C <sub>19</sub> )	3.72
14	Eugenol	2.14
15	Eicosane (parafine C <sub>20</sub> )	1.06
16	Heneicosane (parafine C <sub>21</sub> )	5.19
17	Farnesol	1.60
18	Tricosane (alkan C <sub>23</sub> )	1.00

### CONCLUSION :

THE TESTED SAMPLE GENUINE NATURAL BULGARIAN ROSE DAMASCENA OIL, IS CORRESPONDING TO THE NORMS OF BULGARIAN STATE STANDARD.

LABORATORY ASSISTANT: .....  
(surname ; signature)

HEAD OF LABORATORY: .....  
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