GALEN-N Ltd

Analytical Certificate № 1/ 15.06.2020

Product name: ***Bulgarian Rose Oil***
Date of analysing: 15.06.2020
Retest Date: 06.2025

Batch №: ***ROGH1/2020***
Quantity: 92,831 kg

№	*Ingredients*	ROSE oil rel. % as determined by GC/ FID	
		Norm,% *BDS ISO 9842*	*Result ,%*
1.	Ethanol	≤ 2	1.35
2.	CIS Rose oxide	-	0.24
3.	Trans Rose oxide	-	0.11
4.	Linalol	-	0.96
5.	Heptadecane C17	1,0 - 2,5	1.15
6.	Geranyl Acetate	-	0.88
7.	Citronelol	25,0 - 34,0	28.88
8.	Nerol	5,0 - 12,0	10.57
9.	Geraniol	15,0 - 22,0	19.44
10.	Phenyl Ethanol	≤ 3,5	0.64
11.	Nonadecane C19	8,0 - 15	8.85
12.	Nonadecene C19	-	4.07
13.	Methyl Eugenol	-	1.09
14.	Eicosane C20	-	0.74
15.	Heneicosane C21	3,0 – 5,5	3.74
16.	Eugenol	-	0.96
17.	Tricosane C23	-	1.05
18	Farnesole	-	2.04

Note: The analysis was performed on SHIMADZU GC-FID 2010 PLUS / MS QP 2010SE,column SH-Rtx - Wax 60 meter, 0.25 mmID, 0.25 um df. The identification of the components was performed using the NIST mass spectral library, the quantitative content of the components was determined by GC - FID.

Conclusion: The analyzed sample of ROSE OIL batch ROGH1 / 2020, meets the requirements of BDS ISO 9842

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