



NHR ORGANIC OILS
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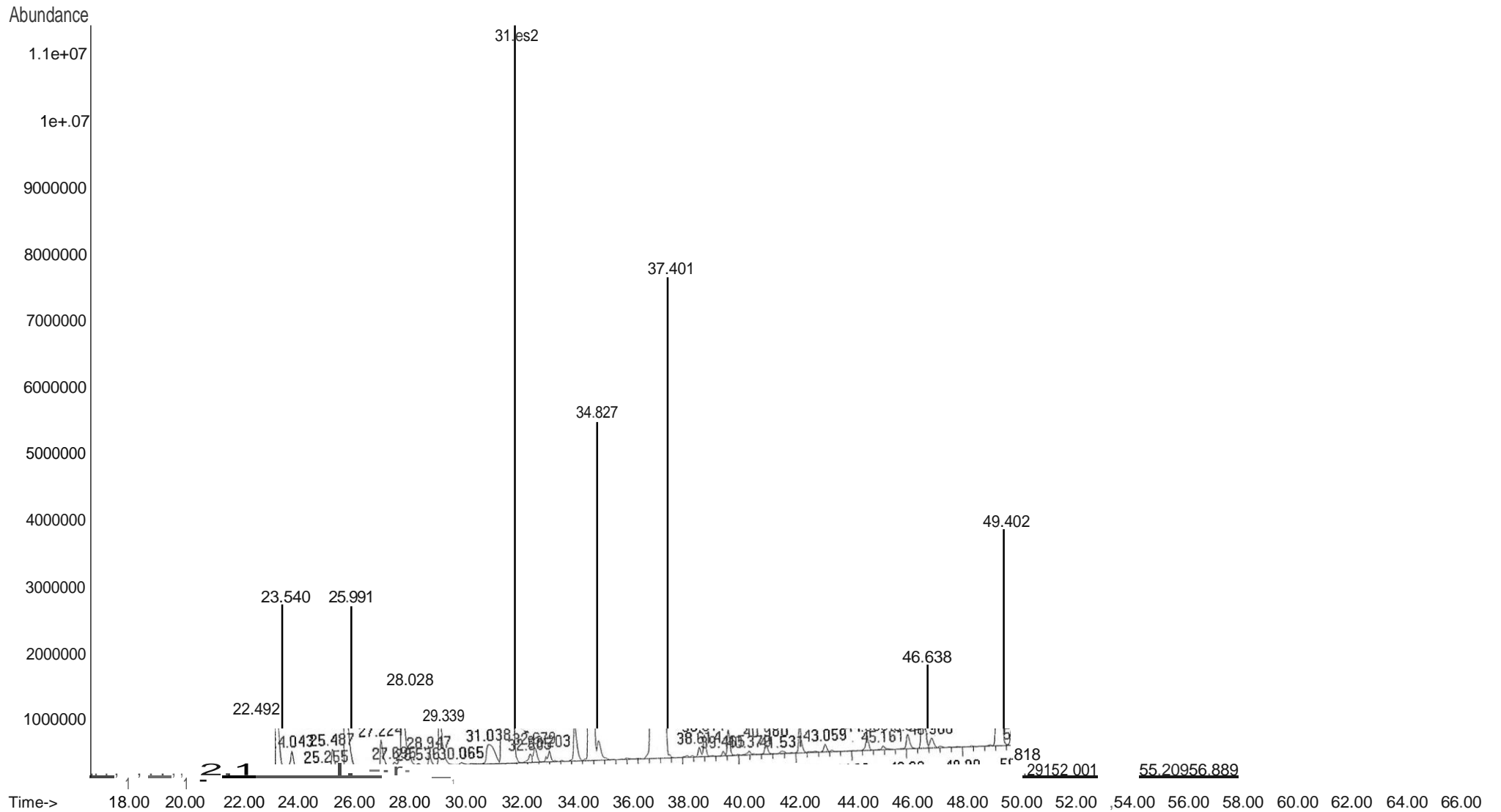
Certificate of Analysis & Gas Chromatography
Organic Roman Chamomile Essential Oil
(Anthemis nobilis)

Batch number: 251024-9

Origin: Bulgaria

NO	Name of characteristics	Testing method, standards	NO of sample	Testing results, uncertainty	Unit value	Index value and tolerance according to:	Conditions of testing	departure from the Testing method
1	a-Pinene	BDS [ISO 7609]	ROMAN CHAMOMILE ESSENTIAL OIL ORGANIC	1.31	%	-	GC-FID + GC-FID-MS Agilent column- HP-Jnnowax- 60/0.250/0.25 Cyclodex-B 60/0.250/0.25	no
2	Isobutyl isobutanoate			3.11	%	-		
3	Camphene			0.55	%	-		
4	J3-Pinene			0.44	%	-		
5	Isobutyl methacrylate			3.70	%	-		
6	Butyl 2-methylbutanoate			0.69	%	-		
7	iso-Amyl iso-butyrate			2.79	%	-		
8	Limonene			0.10	%	-		
9	Isopropyl 3-methyl-2-butenoate			1.47	%	-		
				1.07	%	-		
10	Amyl methacrylate			36.70	%	-		
	Butyl 3-methyl-2-butenoate							
11	Hexyl isobutyrate			0.08	%	-		
12				8.19	%	-		
13	Allyl -3-methyl-2-butenoate			21.85	%	-		
	Isopentyl 3-methyl-2-butenoate							
	+Pentyl 3-methyl-2-butenoate			2.50	%	-		
15	Pinocarvone			7.09	%	-		
16	Pinocarveol			0.47	%	-		
17	Myrtenal	0.14	%	-				
18	Myrtenol	0.14	%	-				
19	Borneol							

File
Operator
Acquired 27 Sep 2024 9:56 using AcqMethod B_RAVNEC_OIL_LAB_01.M
Instrument GC MSD
Sample Name: roman_CH_H1319
Misc Info
Vial Number: 1



1. . Testing results:

N2	Name of characteristics	Testing method, standards	N2 of sample	Testing results, uncertainty	Unit value	Index value and tolerance according to: Technical documentation	Conditions of testing	departure from the Testing method
1	2	3	4	5	6	7	8	9
1	Optical rotation	BOS ISO 592:1999	Roman chamomile essential oil organic	- 1,31 ± 0,01	°	-	(22,0 ± 0,1)°C (44,0 ± 1,3)% Rh	no
2	Refractive index	BOS ISO 280:1999		1,441±0,004	-	-		no
3	Relative density	BOS ISO 279:2001		0,903±0,007	-	-		no

NOTES: 1. The test results apply only to the tested samples. Excerpts from the test report may not be reproduced without the written consent of the testing laboratory.

2. The tests were conducted in the working premises of the laboratory.

3. The laboratory is not responsible for the information provided by the client, provided that this information may affect the validity of the results.

4. The laboratory is not responsible for the sampling/sampling stage, as it is provided by the customer in the quality to an external source.