



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

Batch number: 260325-3

Origin: Bulgaria

7.. Testing results:

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	α -Pinene	BDS ISO 7609	ROMAN CHAMOMILE ESSENTIAL OIL, ORGANIC	1.31	%	-	GC-FID + GC-FID-MS Agilent column – HP-Innowax-60/0.250/0.25 Cyclodex-B 60/0.250/0.25	no
2	Isobutyl isobutanoate			3.11	%	-		
3	Camphene			0.55	%	-		
4	β -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-butenate			1.47	%	-		
10	Amyl methacrylate			1.07	%	-		
11	Butyl 3-methyl-2-butenate			36.70	%	-		
12	Hexyl isobutyrate			0.08	%	-		
13	Allyl -3-methyl-2-butenate			8.19	%	-		
14	isopentyl 3-methyl-2-butenate +Pentyl 3-methyl-2-butenate			21.85	%	-		
15	Pinocarvone			2.50	%	-		
16	Pinocarveol			7.09	%	-		
17	Myrtenal			0.47	%	-		
18	Myrtenol			0.14	%	-		
19	Borneol			0.14	%	-		

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. to an external source. Chromatogram - Roman_CH JJ1319

LABORATORY ASSISTANT: _____

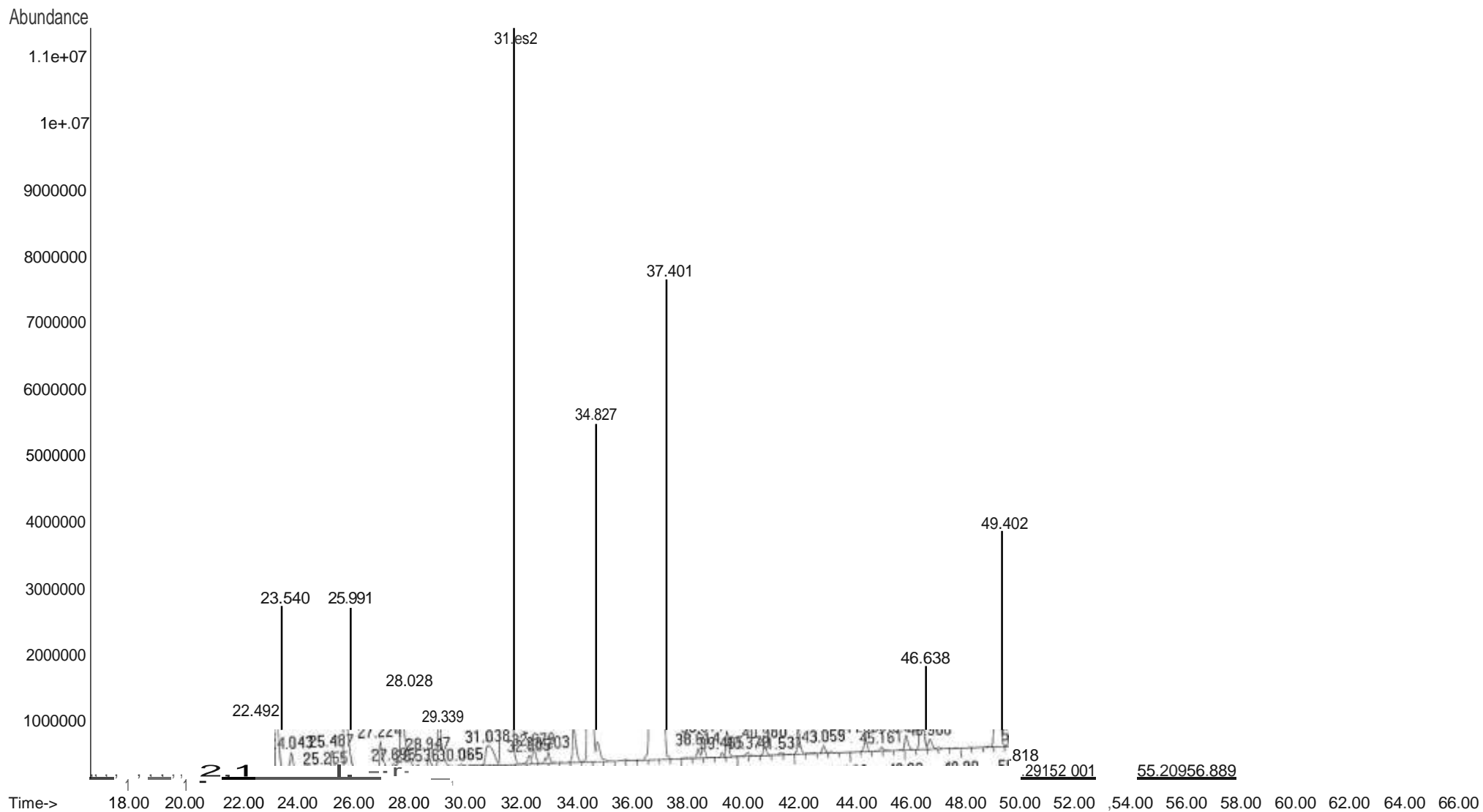
(surname; signature)

HEAD OF LABORATORY: _____

(surname; signature)



File
Operator :C: msdchem 1,DATA seq,ROMAN_CH_H1319.D
Acquired GC MSD using AcqMethod B_RAVNEC_OIL_LAB_01.M
Instrument
Sample Name: roman_CH_H1319
Misc Info
Vial Number: 1



N2	Name of characteristics	Testing method, standards	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.