



NHR ORGANIC OILS
24 CHATHAM PLACE, BRIGHTON, BN1 3TN, UK
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Certificate of Analysis & Gas Chromatography
Organic Roman Chamomile Essential Oil
(Anthemis nobilis)

Batch number: 190526-2
Origin: Bulgaria

Testing results:

M1	Name of characteristics	Testing method, standards	Name of sample	Testing results, uncertainty	Unit value	Index value and tolerance according to: Technical documentation	Conditions of testing	departure from the Testing method
I	2	3	4	5	6	7	8	9
1	Relative density	BOS ISO 279:2001	Chamomile Roman essential oil, organic	0,900 ± 0,006	-	-	(22,5 ± 0,1)°C (45,0 ± 1,3)% Rh	no



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1. Testing results:

No	Name of characteristics	Testing method, standards	name 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	Chamomile Roman essential oil, organic	6.61	%	-	GC-FJD + GC-FJD-MS Agilent column- HP-Innowax- 60/0.250/0.25 Cyclodex-B 60/0.250/0.25	no
2	Isobutyl isobutanoate			0.95	%	-		
3	Camphene			3.71	%	-		
4	p-Pinene			10.57	%	-		
5	Isobutyl methacrylate			0.74	%	-		
6	Butyl 2-methylbutanoate			0.41	%	-		
7	iso-Amyl iso-butyrate			0.94	%	-		
8	Limonene			0.77	%	-		
9	1.8 cineole			3.06	%	-		
10	Amyl methacrylate			0.19	%	-		
11	Butyl 3-methyl-2-butenate			4.63	%	-		
12	Hexyl isobutyrate			0.10	%	-		
13	Allyl-3-methyl-2-butenate			0.20	%	-		
14	Isopentyl 3-methyl-2-butenate + Pentyl 3-methyl-2-butenate			7.85	%	-		
15	Pinocarvone			1.42	%	-		
16	Pinocarveol			1.99	%	-		
17	Benzyl propionate			5.45	%	-		
18	Geraniol			1.85	%	-		
19	Geranyl propionate			5.45	%	-		
II	Refractive index	6,D;C ISO 280:1999		1.469	-		(23,0 ± 0,1)°C	
III	Optical rotation	B,D;C ISO 592		-2.83	°		(45,0±1,3)% Rh	