



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

Batch number: 270226-2
Origin: Bulgaria

Testing results:

№	Name of characteristics	Testing method, standards	№ 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	Chamomile Roman essential oil , organic	0.86	%	-	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			3.22	%	-		
3	Camphene			0.43	%	-		
4	β -Pinene			0.24	%	-		
5	Isobutyl methacrylate			3.36	%	-		
6	Butyl 2-methylbutanoate			0.70	%	-		
7	iso-Amyl iso-butyrate			3.03	%	-		
8	Limonene			0.10	%	-		
9	Isopropyl 3-methyl-2-butenate			1.54	%	-		
10	Amyl methacrylate			0.89	%	-		
11	Butyl 3-methyl-2-butenate			36.86	%	-		
12	Hexyl isobutyrate			0.57	%	-		
13	Allyl -3-methyl-2-butenate			0.30	%	-		
14	Isopentyl 3-methyl-2-butenate +Pentyl 3-methyl-2-butenate			22.34	%	-		
15	Pinocarvone			1.82	%	-		
16	Pinocarveol			6.00	%	-		
17	Myrtenal			0.42	%	-		
18	Myrtenol			0.20	%	-		
19	Borneol			0.13	%	-		
II	Refractive index	Б/ДC ISO 280:1999		1.438	-	-	(23,0 + 0,1)°C	
III	Optical rotation	Б/ДC ISO 592		-0.88	°	-	(45,0 ±1,3)% Rh	

NOTES :1. The test results apply only to the tested sample.