



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

Batch number: 091225-3  
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	<b>Chamomile Roman essential oil, organic</b>	<b>0,900 ± 0,006</b>	-	-	(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	<b>a-Pinene</b>	BDS ISO 7609	<b>Chamomile Roman essential oil, organic</b>	<b>6.61</b>	%	-	GC-FJD + GC-FJD-MS Agilent column- HP-Innowax- 60/0.250/0.25 Cyclodex-B 60/0.250/0.25	no
2	<b>Isobutyl isobutanoate</b>			<b>0.95</b>	%	-		
3	<b>Camphene</b>			<b>3.71</b>	%	-		
4	<b>p-Pinene</b>			<b>10.57</b>	%	-		
5	<b>Isobutyl methaCtylate</b>			<b>0.74</b>	%	-		
6	<b>Butyl 2-methylbutanoate</b>			<b>0.41</b>	%	-		
7	<b>iso-Amyl iso-butyrate</b>			<b>0.94</b>	%	-		
8	<b>Limonene</b>			<b>0.77</b>	%	-		
9	<b>1.8 cineole</b>			<b>3.06</b>	%	-		
10	<b>Amyl methacrylate</b>			<b>0.19</b>	%	-		
11	<b>Butyl 3-methyl-2-butenolate</b>			<b>4.63</b>	%	-		
12	<b>Hexyl isobutyrate</b>			<b>0.10</b>	%	-		
13	<b>Ally -3-methyl-2-butenolate</b>			<b>0.20</b>	%	-		
14	<b>Isopentyl 3-methyl-2-butenolate +Pentyl 3-methyl-2-butenolate</b>			<b>7.85</b>	%	-		
15	<b>Pinocarvone</b>			<b>1.42</b>	%	-		
16	<b>Pinocarveol</b>			<b>1.99</b>	%	-		
17	<b>Benzyl propionate</b>			<b>5.45</b>	%	-		
18	<b>Geraniol</b>			<b>1.85</b>	%	-		
19	<b>Geranyl propionate</b>			<b>5.45</b>	%	-		
II	<b>Refractive index</b>	6,D;C ISO 280:1999		<b>1.469</b>	-		(23,0 ± 0,1)°C	
III	<b>Optical rotation</b>	B,D;C ISO 592		<b>-2.83</b>	°		(45,0±1,3)% Rh	