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Certificate of Analysis & Gas Chromatography
Organic Helichrysum Essential Oil
(Helichrysum italicum)

Batch number: 091225-5
Origin: Bulgaria

1	2	3	4	5	6	7	8	9
Name of characteristics	Testing method, standards	Name of	Test results	Unit value	Index value and tolerance according to: Technical documentation	Conditions of testing	departure from the Testing method	
1	Relative density	.6.ZI:C ISO 279:2001	Helichrysum italicum essential oil organic Batch 091225-5	0,896 ± 0,006	-	- (22,5 ± 0,1)°C (45,0 ± 1,3)% Rh	no	

Testing results:

	Name of characteristics	Testing method, standards	Name of sample	Testing results	Unit value	Index value and tolerance according to:	Conditions of testing	departure from the Testing
I	a-Pinene	E,[(C ISO 7609	Helichrysum italicum essential oil organic Batch 091225-5	24.35	%	-	GC-FID + GC-FJD-MS Agilent column- HP-Jnowax-60/0.250/0.25 Cyclodex-B 60/0.250/0.25	no
2	Camphene			1.00	%	-		
3	lJ-Pinene			3.04	%	-		
4	Limonene			19.03	%	-		
5	y-Terpinene			0.77	%	-		
6	Linalool			3.27	%	-		
7	1.8 cineole			2.30	%	-		
8	l-Himachalene -cis			2.98	%	--		
9	a-Bereamotene			0.38	g;0			
10	l-caryophylleue			1.82	%	-		
11	Neryl acetate			1.77	%	-		
12	Neryl propionate			0.23	%	-		
13	Curcumene			0.96	%	-		
14	P-Himachalene -traus			0.97	%	-		
15	Bisabolene			1.12	%	-		
I	Optical rotation	E,[(C ISO 592		12.33	°	-	23,0 ± 0,1)°C	
II	Refractive index	E,[(C ISO 280:1999		1.474		-	(45,0 ±1,3)% Rh	

NOTES .:

1. The test results apply only to the tested sample.
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.
5. The laboratory does not provide an opinion or interpretation of the test results and does not declare compliance