



## CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION		COMPANY IDENTIFICATION	
PRODUCT NAME:	Peppermint	COMPANY:	ZAYAT AROMA INC.
BOTANICAL NAME:	Mentha piperita	ADDRESS:	1339 SHEFFORD, BROMONT (QC) J2L 1C9, CANADA
SYNONYM(S):		TELEPHONE:	1.855.534.1671
		FAX:	1.855.553.6010
		WEB:	WWW.ZAYATAROMA.COM
		E-MAIL:	INFO@ZAYATAROMA.COM
INCI NAME:	Mentha piperita herb oil		
CAS TSCA:	8006-90-4	HS CODE:	3301.29
CAS EINECS:	98306-02-6	EINECS:	
FEMA:	2848	COE:	282n
COUNTRY OF ORIGIN:	India	FDA CODE:	182.2
PRODUCTION TYPE:	Certified Organic	Certified organic by Ecocert Canada	
PRODUCTION METHOD:	Steam distilled	 	
PART DISTILLED:	Aerial parts		
LOT NUMBER:	EAB636744IN87021B		
PRODUCTION DATE:	09/2020		
EXPIRATION DATE:	09/2025		

PROPERTIES	SPECIFICATIONS	RESULTS
APPEARANCE	<i>Colorless to very light yellow liquid</i>	<i>Complies</i>
ODOR	<i>A strong penetrating odour of peppermint followed by cooling</i>	<i>Complies</i>
SOLUBILITY	<i>Soluble in alcohol and oils. Insoluble in water.</i>	<i>Complies</i>
SPECIFIC GRAVITY:	<i>0.823 to 0.910</i>	<i>0.899</i>
OPTICAL ROTATION:	<i>-18 to -32</i>	<i>-18</i>
REFRACTIVE INDEX:	<i>1.457 - 1.465 @ 20°C</i>	<i>1.457</i>
PEROXYDE VALUE:	<i>&lt;= 15 mEq O2/KG</i>	<i>Complies</i>

### DISCLAIMER

The information above is given in good faith and is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ZAYAT AROMA INC. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ZAYAT AROMA INC. has been advised of the possibility of such damages. This data is not to be constructed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. This data relates only to the specific material designated and not to be used in combination with any other material. Many regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize themselves with all applicable regulations.

## CERTIFICATE OF ANALYSIS

REPORT

Sample Name: Organic Peppermint Oil DB5

Data File: C:\NuChrom\Organic Peppermint Oil DB5 .DAT

Method File: C:\NuChrom\br 2.MET

Detector: FID.

System: GC

Date: 7 Sep 2020

Time: 13:44:34

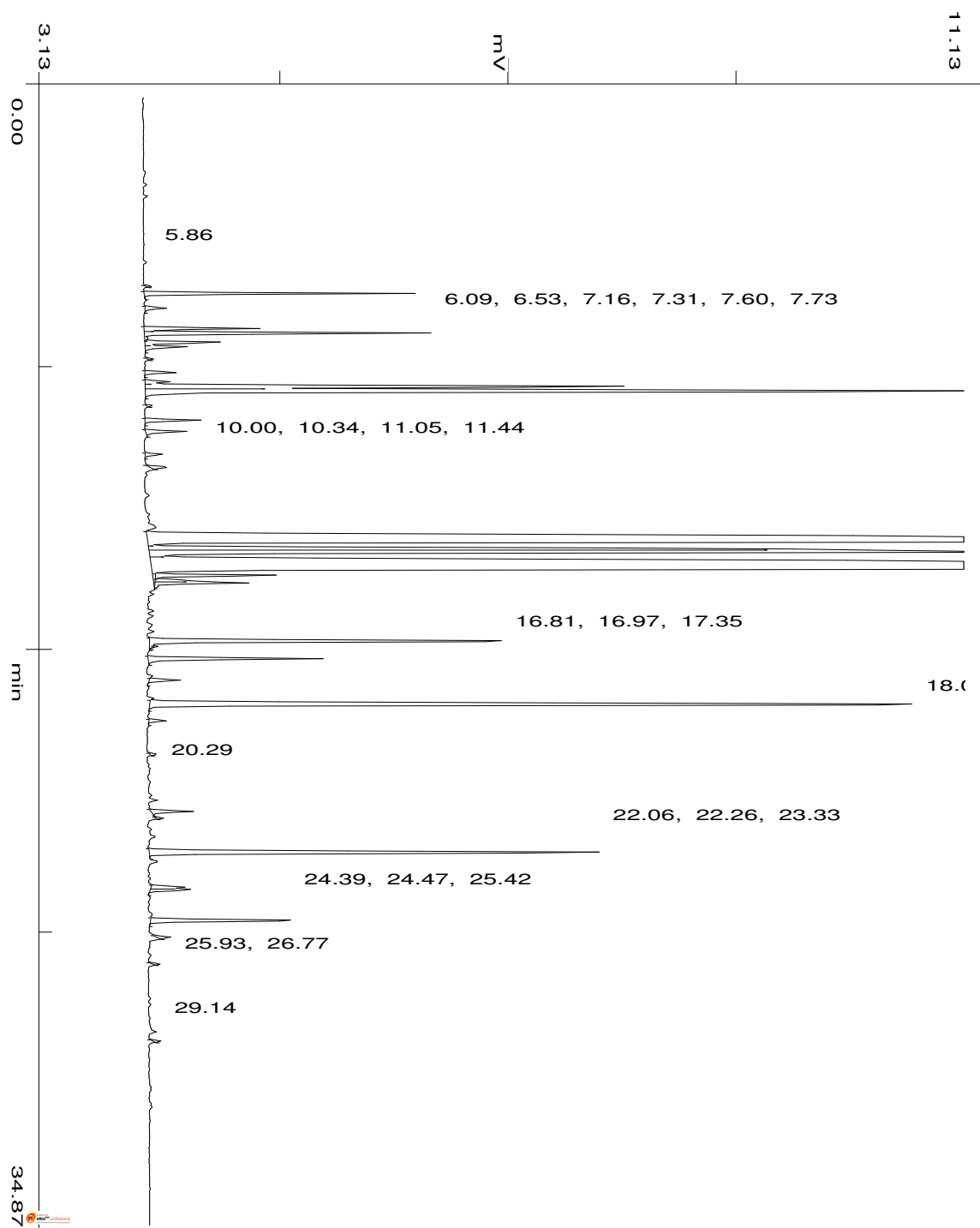
Run: ch2: 5

Type of Analysis : Percent On Area

---

<b>Pk.Width</b>	<b>Peak Thrsh.</b>	<b>Area Rej.</b>	<b>Ht.Rej.</b>	<b>Cht.Speed</b>
4	30	5	4	0.50

---



min  
44.18

No.	R.T.	Area	Area %	Pk Ty	Comp Name
1	5.86	1298	0.0154	BB	
2	6.09	84400	0.9997	BB	
3	6.53	8799	0.1042	BB	
4	7.16	41386	0.4902	BV	
5	7.31	98466	1.1663	VV	
6	7.60	28288	0.3351	VV	
7	7.73	16893	0.2001	VB	
8	8.11	1367	0.0162	BB	
9	8.52	12071	0.1430	BB	
10	8.81	9734	0.1153	BV	
11	8.96	217253	2.5733	VV	
12	9.10	496783	5.8843	VB	
13	9.55	1427	0.0169	BB	
14	10.00	21041	0.2492	BB	
15	10.34	16452	0.1949	BB	
16	11.05	6867	0.0813	BB	
17	11.44	6798	0.0805	BB	
18	13.74	2223623	26.3384	BV	
19	13.96	250417	2.9661	VV	Menthofuran
20	14.06	643140	7.6179	VV	
21	14.58	3130194	37.0766	VB	L-Menthol
22	14.78	44405	0.5260	TTV	
23	14.94	11528	0.1365	TVV	
24	15.01	37834	0.4481	TVT	
25	16.81	175021	2.0731	BB	
26	16.97	1570	0.0186	TTT	
27	17.35	70615	0.8364	BB	
28	18.01	11732	0.1390	BB	
29	18.77	420016	4.9750	BB	
30	19.26	6800	0.0805	BB	
31	20.29	1991	0.0236	BB	
32	22.06	16476	0.1952	BP	
33	22.26	1879	0.0223	PB	
34	23.33	220298	2.6094	BB	
35	24.39	13306	0.1576	BV	
36	24.47	17018	0.2016	VB	
37	25.42	66552	0.7883	BB	
38	25.93	4688	0.0555	BB	
39	26.77	1880	0.0223	BB	
40	29.14	2193	0.0260	BB	
		8442498	100.0000		

**Summary :**

<b>TOTAL PEAKS :</b>	<b>40</b>
<b>MUL. FACTOR :</b>	<b>1.0000</b>
<b>SAMPLE AMT.</b>	<b>100.0000</b>
<b>ISTD AMT.</b>	<b>0.0000000e+00</b>
<b>DILUTION :</b>	<b>1.0000</b>