




### CERTIFICATE OF ANALYSIS

<b>Product Name :</b> Peppermint Oil	<b>Botanical name:</b> <i>Mentha piperita</i>
<b>Sample Name :</b> Peppermint Oil	<b>Origin:</b> India
<b>Company Name :</b> Navnetri Gamika Pvt. Ltd., Gurgaon	<b>Batch Number:</b> NG/PE/22-23_002
<b>Temp. :</b> 20°C	<b>Manufacturing/Distillation Method :</b> Steam Distillation
<b>Sample Test Date :</b> 25 April 2022	<b>Part Used:</b> Fresh grown leaf of Mentha piperita
<b>Lab Operator :</b> Ms. Sanju Tyagi	<b>Manufacturing Date :</b> April 2022
	<b>Expiry Date :</b> April 2025
	<b>Storage :</b> Dark and Cool Place in Glass or Aluminum container

S.No.	Parameters	Unit	Result
1	Colour	-	Colorless to yellowish
2	Appearance	-	Liquid
3	Odour	-	Fresh, menthol
4	Flash-point °C :	-	66°C
5	Refractive Index (20°C)	-	1.457 - 1.467
6	Specific Gravity (20°C)	-	0.899 - 0.911
7	Optical Rotation (20°C)	-	(-30)- (-10)
8	CAS Number	-	8006-90-4
9	INCI Name :	-	Mentha piperita Oil

### CHROMATOGRAPHICAL PROPERTIES

S.No.	Parameters	R.T	AREA
1	Isopulegol	19.92	0.21
2	L-Menthone	20.618	24.58
3	Isomenthone	20.669	9.28
4	Neo-Menthol	21.27	4.04
5	L-Menthol	22.083	40.88
6	Neoisomenthol	22.369	0.59
7	Beta-Fenchyl Alcohol	22.804	0.65
8	Pulegone	25.705	1.12
9	Carvone	25.991	0.04
10	Piperitone	26.643	1.9
11	Decanol	28.039	0.5
12	P-Menth-4-Ene	29.31	0.32
13	Santolina Triene	31.873	0.07
14	Alpha-Ylangene	33.922	0.09
15	Alpha-Copaene	34.208	0.08
16	Beta-Bourbonene	34.711	0.56
17	Beta-Elemene	35.255	0.22
18	Isocaryophyllene	36.004	0.16

19	Bicyclo-Octane-2-Methyl	36.159	0.13
20	Bicycle Heptan-2-One	36.268	0.11
21	Caryophyllene	36.777	2.1
22	2-Cyclononine-1-01	37.252	0.85
23	Cis-9-Methyldecalin	37.372	0.68
24	Naphthalene	37.698	0.25
25	Trans-4,11,11-Trimethyl-8-Methylenebicycloundeca-4-Ene	37.887	0.17
26	Cycloheptane	38.545	0.14
27	Germacrane-B	39.089	0.07
28	Germacrane-C	39.443	0.16
29	Alpha-Amorphene	40.233	0.4
30	Germacrene-D	40.416	0.47
31	Calarene	41.314	0.48
32	5-Methyl-2,4-Diisopropylphenol	41.549	0.34
33	Alpha-Murolene	41.623	0.23
34	Gamma-Cadinene	42.356	0.11
35	Delta-Cadinene	42.968	0.68
36	Alpha-Cadinene	43.695	0.09
37	Alpha-Calacorene	43.958	0.07
38	Alloaromadendrene	44.278	0.05
39	Spathulenol	45.823	0.13
40	Caryophyllene Oxide	46.081	0.2
<p>* Maximum concentration determined by the best of our knowledge based on analytical control by Gas Chromatography (DB-WAX Capillary column L 20 m, d 100 µm x 0,2 µm, Polar stationary phase, T°C oven 60°C at 248°C with 12°C / mn, T°C injector 275°C, T°C detector 275°C, Detector FID, Split injection 0,2 µl, Carrier gas Hydrogen - 0,7 ml/mn)</p>			
<p>DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.</p>			
25-04-2022	Navnetri Gamika Pvt. Ltd, Q-114A, N.P.V.-2, GGN-HR		
			
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