

Mentha piperita Essential Oil Analysis

Product:	Peppermint Essential Oil India
INCI Name:	Mentha Piperita Oil / Mentha Piperita Stem Oil
Country of Origin:	India
Botanical part:	Piperita Flower/Leaf
Botanical Name:	<i>Mentha piperita</i> L.
CAS Number:	8006-90-4 / 84082-70-2

Characteristics:

	Requirement	Result
Appearance:	Clear liquid	Conforms
Colour:	Colourless to light yellow-greenish	Conforms
Odour:	Fresh, mentholated	Conforms
Relative Density (gr/ml) @ 20°C:	0.898 – 0.918	0.900
Refractive Index @ 20°C:	1.456 – 1.465	1.459

GC/MS/FID Analysis (%):

1	Menthol	43.63
2	Menthone	21.49
3	Isomenthone	6.92
4	Neomenthol	3.84
5	Menthyl Acetate	3.78
6	Limonene	3.56
7	1,8-Cineol	2.53
8	Menthofurane	1.69
9	β-Pinene	1.30
10	α-Pinene	1.05
11	Pulegone	0.73
12	β-Caryophyllene	0.71
13	Octanol-3	0.42
14	Trans-Thujanol	0.04
	Total	91.69