



**Description:Peppermint Oil**

**Inci Name: Mentha Piperita (Peppermint) Oil**

**Cas No: 8006-90-4 / 84082-70-2**

**Einecs No: - / 282-015-4**

ANALYTICAL DETAILS	RANGE	RESULT
DESCRIPTION	The volatile essential oil produced by steam distillation of the herb <i>Mentha Piperita</i>	Conforms
APPEARANCE @ 20°C	Colourless to pale yellow	Conforms
ODOUR	Clean, fresh, penetrating mint	Conforms
RELATIVE DENSITY @ 20°C	0.888 – 0.915	0.894
REFRACTIVE INDEX @ 20°C	1.450 – 1.470	1.461
OPTICAL ROTATION @ 20°C (°)	- 10.0 to – 34.0	-22.60
ACID VALUE	≤ 1.4	< 1.4
FLASH POINT (°C)	>70	>70
FATTY OILS & RESINIFIED ESSENTIAL OILS	Complies with test	Conforms
SOLUBILITY IN 70% ETHANOL	Soluble 1 + 4	Conforms

CHROMATOGRAPHIC PROFILE	ACID NAME	RANGE	RESULT
	LIMONENE	1.0 – 5.0	Conforms
	CINEOLE	3.5 – 14.0	Conforms
	MENTHONE	14.0 – 32.0	Conforms
	MENTHOFURAN	1.0 – 9.0	Conforms
	ISOMENTHONE	1.5 – 10.0	Conforms
	MENTHYL ACETATE	2.8 - 10.0	Conforms
	ISOPULEGOL	≤ 0.2	Conforms
	MENTHOL	30.0 – 55.0	Conforms
	PULEGONE	≤ 4.0	Conforms
CARVONE	≤ 1.0	Conforms	
RATIO CINEOLE LIMONENE	> 2.0	Conforms	