



Eucalyptus Radiata Oil Analysis

Product:	Eucalyptus Radiata Essential Oil
INCI Name:	Eucalyptus Radiata Flower/Leaf/Stem Oil
Country of Origin:	South Africa
Botanical part:	Flower/Leaf
Botanical Name:	Eucalyptus radiata Sieber ex DC.
CAS Number:	92201-64-4

Characteristics:

	Requirement	Result
Appearance:	Clear liquid	Conforms
Colour:	colourless to pale yellow	Conforms
Odour:	Minted, cineol-like, fresh	Conforms
Specific Gravity (gr/ml) @ 20°C:	0.905 – 0.935	0.918
Refractive Index @ 20°C:	1.455 – 1.475	1.463

GC/MS/FID Analysis (%):

1	1,8-Cineol	75.12
2	α -Terpineol	9.47
3	Limonene	3.96
4	Terpinene-1-ol-4	1.52
5	α -Pinene	1.29
6	Terpinyl Acetate	1.28
7	Geranial	1.03
8	Sabinene	0.90
9	Neral	0.82
10	Myrcene	0.80
11	γ -Terpinene	0.59
12	α -Phellandrene	0.49
13	Geraniol	0.43
14	β -Pinene	0.42
15	Linalool	0.39
16	α -Terpinene	0.33
17	Terpinolene	0.18
18	α -Thujene	0.16
19	p-Cymene	0.14
Total		99.32

