



Healing Body, Mind, and Spirit  
with Pure Essential Oils Since 1995

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**Certificate of Analysis:** Palma Rosa Essential Oil, *Cymbopogon martinii* Stapf. Var. *Motia*, Nepal.

Batch No: NE-48503

Part distilled: Leaves

**Analysis Conditions:**

CPG 5890 / MS 5970 – Column: HP INNOWAX polar 60 m Å~ 0,25 mm Å~ 0,5 µm

CPG 5890 FID - Column: HP INNOWAX polar 60 m Å~ 0,25 mm Å~ 0,5 µm

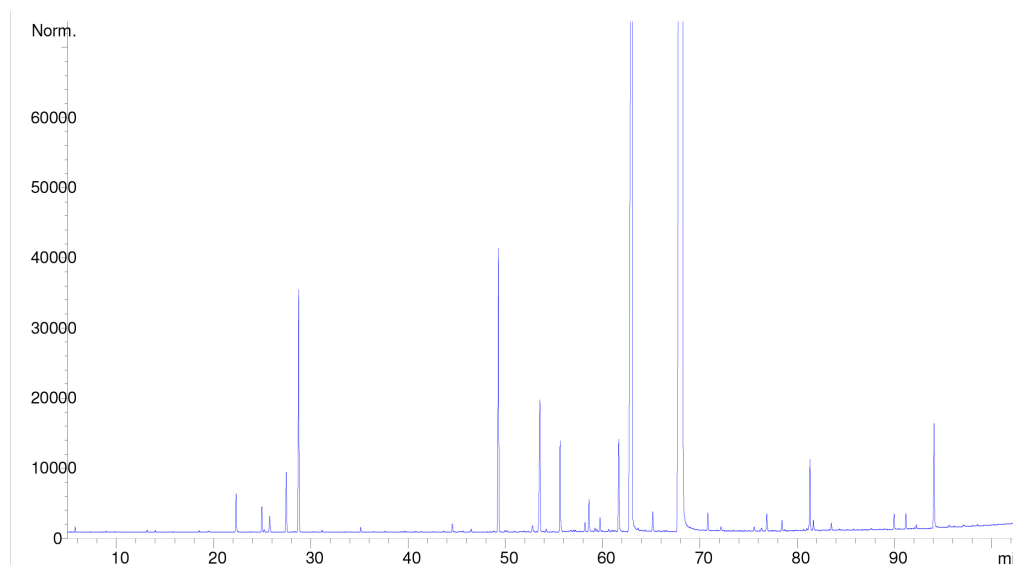
Temperature program: 6 mn à 50°C –2 °C/mn@250 °C-20mn à 250 °C

Carrier gas He: 23 psis/MS – 30 psis/FID

Sample injection / split: 1 µl of 5% solution in hexane.

Mass range: 30 to 350. Oil components are identified by a combination of retention times (our own database) and mass spectra library NKS 75 000 records.

Percentages are calculated from GC/FID peaks areas without using corrections factors.



Peak	RT	Component	%
1	5,8	ACETONE	0,02
2	8,9	ETHANOL	0,01
3	13,2	α -PINENE	0,01
4	18,5	β -PINENE	0,01
5	22,3	β -MYRCENE	0,24
6	25,0	LIMONENE	0,17
7	25,2	ISOPENTANOL	0,02
8	25,8	1,8-CINEOLE	0,12
9	27,5	Cis- β -OCIMENE	0,39
10	28,8	Trans- β -OCIMENE	1,63
11	30,3	p-CYMENE	0,01

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Peak	RT	Component	%
12	31,2	TERPINOLENE	0,01
13	35,1	6-METHYL-5-HEPTEN-2-ONE	0,03
14	44,5	MENTHONE	0,06
15	45,3	CITRONELLAL	0,01
16	46,5	ISOMENTHONE	0,02
17	49,3	LINALOOL	1,82
18	50,0	1-OCTANOL	0,01
19	50,2	LINALYL ACETATE	0,01
20	50,9	MENTHYL ACETATE	0,01
21	52,8	$\beta$ -ELEMENE	0,05
22	53,5	$\beta$ -CARYOPHYLLENE	1,07
23	54,2	AROMADENDRENE	0,02
24	55,6	MENTHOL	0,63
25	56,8	Trans-PINOCARVEOL	0,01
26	57,0	PULEGONE	0,01
27	57,2	E-b-FARNESENE	0,01
28	58,2	$\alpha$ -HUMULENE	0,07
29	58,6	NERAL	0,22
30	59,2	$\alpha$ -TERPINEOL	0,02
31	59,4	$\gamma$ -SELINENE	0,01
32	59,7	GERANYL FORMATE	0,09
33	60,6	GERMACRENE D	0,02
34	61,7	GERANIAL	0,62
35	61,8	PIPERITONE	0,01
36	63,0	GERANYL ACETATE	13,45
37	63,6	$\gamma$ -CADINENE	0,01
38	65,2	NEROL	0,13
39	68,2	GERANIOL	76,97
40	70,8	GERANYL BUTYRATE	0,11
41	72,2	GERANIC ESTER	0,04
42	75,6	ALIPHATIC ESTER	0,03
43	76,3	ISOCARYOPHYLLENE OXYDE	0,02
44	76,9	CARYOPHYLLENE OXYDE	0,12
45	78,4	NEROLIDOL	0,07
46	78,7	CAPRYLIC ACID	0,01
47	81,3	GERANYL CAPROATE	0,48
48	81,7	ALIPHATIC ESTER	0,07
49	83,5	ALIPHATIC ALCOHOL	0,05
50	87,6	SESQUITERPENOL	0,01
51	90,0	FARNESYL ACETATE	0,10
52	91,2	GERANYL CAPRYLATE	0,10
53	92,3	GERANIC ACID	0,02
54	94,1	FARNESOL	0,71
55	97,1	PRECOCENE II Mw=220	0,03
		TOTAL	100,00

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