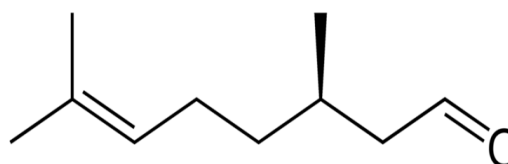


**TECHNICAL SHEET**
**Citronella (*Cymbopogon nardus*) essential oil**


Citronelal

1. INCI NAME: *Cymbopogon nardus* Oil
2. BOTANICAL CLASSIFICATION: *Cymbopogon nardus*
3. BOTANICAL DESCRIPTION: Herbaceous perennial specie has leaves with tufts of narrow leaf. It can reach a height of two meters. The panicles are narrow, 15-30 cm long with clusters of 8-10 mm long. The leaves are long, wide and smooth.
4. HABITAT: Tropical or subtropical climate.
5. CHEMICAL COMPOSITION:

Compound	Relative amount (%)
Citronelal	23.0
Geraniol	16.0
Citronellol	15.0
Limonene	5.0
Germacrene-4-ol	5.0
Citronellyl acetate	4.5

6. PART USED: leaves

7. QUALITY SPECIFICATIONS:

Physicochemical properties		
Norm	Parameter	Result
ISO 1242: 1999	Acid Value (mol/g)	0,8
ISO 709: 2001	Esters index (mol/g)	29.5
ISO 279: 1998	Density (g/mL)	0.883
ISO 280: 1998	Refraction Index (nD)	1.470

8. DERMATOCOSMETIC ACTION:

- Mosquito Repellent
- Balances and harmonizes the nervous, cardiovascular and circulatory systems.
- Clears your mind, relieving migraines, headaches, neuralgia
- Stimulates refreshes and deodorizes sweaty and tired feet.
- Relieves aches and pains of rheumatic and metabolic character.
- Its antiseptic properties are useful against germs

9. PRECAUTIONS: Not known for external use.

10. STORAGE CONDITIONS: Keep stored in cool and dry environments, maximum temperature 25 ° C, relative humidity 65% - 75% and protected from direct light.

11. PRESENTATIONS: 100g -1000g

12. DOSE: 0.01%-0.2%

REFERENCES

- <http://www.herbotecnia.com.ar/exotica-citronela.html>
- <http://aprendeenlinea.udea.edu.co/ova/?q=content/betiver-citronela-de-ceyl%C3%A1n-cidronela-cymbopogon-nardus-l-rendle#>