



## ANALYSIS REPORT

### CHROMATOGRAPHIC ANALYSIS OF ESSENTIAL OILS

Applicant: Bio Natural Essencias

Venue: Rua Daltro Filho, 301 – Tres Passos - RS

Sample identification: Citronella (Cymbopogon nardus)

Extraction: 27/02/2017

Lot: 02/17

Validity: 24 months

Citronella	
Active principle	Extraction 27/02/17
Citronelal (%)	39.00
Citronelol (%)	19.82
Geraniol (%)	17.00
Other components (%)	22.86
Unidentified components (%)	1.32

Tres Passos, March 09, 2017.

**PHYSICAL-CHEMICAL PROPERTIES:** Appearance / Aspect: Translucent Liquid; Color: Light Yellow / Light Amber; Impurities: Free.; Odor: Characteristic; Density at 20°C: 0.8760 - 0.8960; Refraction index at 20°C: 1.4590 - 1.4790; pH value: Not determined; Viscosity: Not determined; Freezing point: Not determined; Flash point: 60°C; Melting point: Not determined; Flammable properties: Not determined; Explosive properties: Not expected; Oxidizing properties: Not expected; Steam pressure: Not determined; Shelf Life: 12 Months.

Deonise Mrozinski Irgang

CREA /RS 199195