

## CERTIFICATE OF ANALYSIS

Organic Essential Oil of Eucalyptus Radiata from South Africa  
100% pure and natural

Botanical name : *Eucalyptus radiata* A. Cunn. ex DC.  
Commercial name : Organic Eucalyptus Radiata  
Batch number : **2000405**  
Geographical origin : South Africa  
Production date : February 2020

### Physical and chemical data :

|                                 | Standards                              | Results of analysis |
|---------------------------------|--|---------------------|
| <b>Appearance</b>               | Mobile liquid                          | Conform             |
| <b>Colour</b>                   | Colourless to pale yellow              | Conform             |
| <b>Odour</b>                    | Characteristic, slightly lemon-scented | Conform             |
| <b>Specific gravity at 20°C</b> | 0.905 to 0.925                         | 0,9159              |
| <b>Refractive index at 20°C</b> | 1.455 to 1.475                         | 1,4635              |
| <b>Optical rotation at 20°C</b> | -8° to +10°                            | + 1,85°             |
| <b>Flash point</b>              | +45°C à +55°C                          |                     |

### Table of components (1) :

| Components                  | Contents |
|-----------------------------|----------|
| $\alpha$ -thujene           | 0.21%    |
| $\alpha$ -pinene            | 2.47%    |
| Sabinene                    | 2.02%    |
| $\beta$ -pinene             | 0.76%    |
| Myrcene                     | 1.61%    |
| $\alpha$ -phellandrene      | 0.61%    |
| $\alpha$ -terpinene         | 0.26%    |
| Para-cymene                 | 0.23%    |
| Limonene                    | 6.51%    |
| $\beta$ -phellandrene       | 1.23%    |
| Eucalyptol : cineole-1,8    | 66.25%   |
| E- $\beta$ -ocimene         | 0.23%    |
| $\gamma$ -terpinene         | 0.45%    |
| Terpinolene                 | 0.14%    |
| Linalool                    | 0.49%    |
| Cis-para-menth-2-ene-1-ol   | 0.17%    |
| Trans-para-menth-2-ene-1-ol | 0.11%    |
| $\delta$ -terpineol         | 0.22%    |
| Terpinene-4-ol              | 1.01%    |
| $\alpha$ -terpineol         | 11.39%   |
| Neral                       | 0.18%    |

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| Batch number :        | <b>2000405</b>                           |
| Geographical origin : | South Africa                             |
| Production date :     | February 2020                            |

### **Table of components (2) :**

| <b>Components</b>           | <b>Contents</b> |
|-----------------------------|-----------------|
| Geraniol                    | 0.98%           |
| Geranial                    | 0.23%           |
| $\alpha$ -terpinyle Acetate | 1.07%           |
| $\beta$ -caryophyllene      | 0.20%           |
| Bicyclogermacrene           | 0.26%           |
| <b>TOTAL</b>                | <b>99.29%</b>   |