

| <b>AeL CREATION /<br/>HERBES ET TRADITIONS</b><br>42 bis rue d'Armentières<br>59560 Comines France<br><br>☎ + 33 (0) 328 04 65 63<br>📠 + 33 (0) 328 04 84 26<br>✉ m.phongphaysane@herbes-et-traditions.fr | CHROMATOGRAPHIE                                                                                                                    |                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|                                                                                                                                                                                                           | <u>Huile essentielle</u><br><b>GÉRANIUM ROSAT BIO</b><br><b>Pelargonium graveolens</b><br>Réf. 1995<br><br><u>Origine</u> : Egypte | <b>Nombre de pages : 6</b><br><br><b>Date de révision : 2017</b> |
|                                                                                                                                                                                                           | <b>Partie de la plante</b> : Feuilles                                                                                              | <b>Lot n° W20C</b>                                               |

## CARACTÉRISTIQUES PHYSICO-CHIMIQUES

|                             |          |
|-----------------------------|----------|
| <b>Densité relative</b>     | 0.8962   |
| <b>Indice de réfraction</b> | 1.4677   |
| <b>Pouvoir rotatoire</b>    | - 11.45° |

## INTERPRÉTATION DU PROFIL CHROMATOGRAPHIQUE

| COMPOSÉS                    | TENEUR EN % |
|-----------------------------|-------------|
| ACETONE                     | 0.01        |
| ALPHA PINENE                | 0.24        |
| BETA PINENE                 | 0.01        |
| OXYDE DE DEHYDROXYLINALOL A | 0.04        |
| γ 3 CARENE                  | 0.02        |
| BETA MYRCENE                | 0.05        |
| ALPHA PHELLANDRENE          | 0.07        |
| ALPHA TERPINENE             | 0.01        |
| 2.3 DEHYDRO 1.8 CINEOLE     | 0.01        |
| COMPOSE TERPENIQUE          | 0.01        |
| LIMONENE                    | 0.14        |
| 3 METHYL 1 BUTANOL          | 0.01        |
| 1.8 CINEOLE                 | 0.01        |
| BETA PHELLANDRENE           | 0.04        |
| ARBUSCULONE ISOMERE         | 0.03        |
| CIS BETA OCIMENE            | 0.06        |
| TRANS ARBUSCULONE           | 0.03        |
| ..TERPINENE                 | 0.01        |
| COMPOSE AROMATIQUE          | 0.02        |
| TRANS BETA OCIMENE          | 0.09        |
| m CYMENE                    | 0.01        |
| - CYMENE                    | 0.07        |
| TERPINOLENE                 | 0.03        |
| ESTER ALIPHATIQUE           | 0.02        |
| ESTER ALIPHATIQUE           | 0.02        |
| ESTER ALIPHATIQUE           | 0.02        |
| PINOL                       | 0.01        |

|                               |      |
|-------------------------------|------|
| METHYL PENTANOL               | 0.06 |
| 6 METHYL 5 HEPTEN 2 ONE       | 0.06 |
| Z OXYDE DE ROSE               | 1.37 |
| E OXYDE DE ROSE               | 0.56 |
| 3 HEXEN 1 OL                  | 0.03 |
| CIS £ MENTHANE 8 OL           | 0.03 |
| PERILLENE                     | 0.02 |
| TRANS £ MENTHANE 8 OL         | 0.04 |
| ALPHA PARA DIMETHYLSTYRENE    | 0.01 |
| CIS OXYDE DE LINALOL          | 0.23 |
| 1 OCTEN 3 OL                  | 0.02 |
| ALPHA CUBEBENE                | 0.20 |
| MENTHONE                      | 1.59 |
| TRANS OXYDE DE LINALOL        | 0.13 |
| SESQUITERPENE                 | 0.06 |
| CITRONELLAL                   | 0.11 |
| BICYCLOELEMENE                | 0.06 |
| SESQUITERPENE                 | 0.07 |
| ISOMENTHONE                   | 5.71 |
| ALPHA COPAENE                 | 0.57 |
| ISONERAL                      | 0.03 |
| ALPHA BOURBONENE              | 0.10 |
| BETA BOURBONENE               | 1.17 |
| COMPOSE AROMATIQUE            | 0.02 |
| ALPHA GURJUNENE               | 0.10 |
| SESQUITERPENE                 | 0.02 |
| LINALOL                       | 4.46 |
| DIMETHYL SULFOXYDE            | 0.03 |
| NEOISOPULEGOL                 | 0.10 |
| ISOPULEGOL                    | 0.11 |
| ÚCADINENE                     | 0.16 |
| ACETATE D'ISOMENTHYLE         | 0.05 |
| 6 METHYL 3.5 HEPTADIENE 2 ONE | 0.09 |
| BETA CUBEBENE                 | 0.23 |
| BETA CARYOPHYLLENE            | 1.34 |
| TERPINENE 4 OL                | 0.03 |
| 6.9 GUAIADIENE                | 0.40 |
| AROMADENDRENE                 | 0.08 |
| FORMIATE DE CITRONELLYLE      | 8.18 |
| NEOISOMENTHOL                 | 0.18 |
| CADINA 3.5 DIENE              | 0.16 |
| CADINADIENE ISOMERE           | 0.22 |
| ALLO AROMEDENDRENE            | 0.22 |
| ALCOOL ALIPHATIQUE            | 0.07 |
| ZONARENE                      | 0.24 |
| ACETATE DE CITRONELLYLE       | 0.34 |
| SEQUITERPENE                  | 0.03 |
| ALPHA HUMULENE                | 0.36 |
| FORMATE DE NERYLE             | 0.09 |
| SESQUITERPENE                 | 0.13 |
| NERAL                         | 0.36 |

|                                                 |       |
|-------------------------------------------------|-------|
| SESQUITERPENE                                   | 0.03  |
| ..MUUROLENE                                     | 0.33  |
| ALPHA TERPINEOL                                 | 0.53  |
| LEDENE                                          | 0.05  |
| FORMIATE DE GERANYLE                            | 3.05  |
| GERMACRENE D                                    | 0.77  |
| SESQUITERPENE                                   | 0.11  |
| BETA SELINENE                                   | 0.31  |
| DIHYDROAGAROFURANE ISOMERE M <sub>w</sub> = 222 | 0.12  |
| SESQUITERPENE                                   | 0.08  |
| ALPHA SELINENE                                  | 0.35  |
| ALPHA MUUROLENE                                 | 0.41  |
| SESQUITERPENE                                   | 0.07  |
| GERANIAL                                        | 0.62  |
| BICYCLOGERMACRENE                               | 0.33  |
| SESQUITERPENE                                   | 0.03  |
| E,E ÛFARNESENE                                  | 0.09  |
| ACETATE DE GERANYLE                             | 0.19  |
| û CADINENE                                      | 1.64  |
| SESUITERPENE                                    | 0.03  |
| CITRONELLOL                                     | 36.70 |
| ALLO AROMADENDRENE                              | 0.10  |
| CADINA 1.4 DIENE                                | 0.13  |
| ALPHA AMORPHENE                                 | 0.04  |
| NEROL                                           | 0.35  |
| BUTYRATE DE CITRONELLYLE                        | 0.46  |
| ESTER ALIPHATIQUE                               | 0.02  |
| ESTER ALIPHATIQUE                               | 0.03  |
| BUTYRATE DE NERYLE                              | 0.09  |
| PROPIONATE DE GERANYLE                          | 0.66  |
| GERMACRENE B                                    | 0.03  |
| SESQUITERPENE M <sub>w</sub> = 202              | 0.02  |
| CALAMENENE                                      | 0.31  |
| GERANIOL                                        | 13.35 |
| ESTER ALIPHATIQUE                               | 0.10  |
| CIS ISOGERANIOL                                 | 0.11  |
| PROPIONATE DE 2 PHENYLETHYLE                    | 0.04  |
| BUTYRATE DE 2 PHENYLETHYLE                      | 0.03  |
| TRANS ISOGERANIOL                               | 0.07  |
| ALPHA AGAROFURANE                               | 0.30  |
| BUTYRATE DE GERANYLE                            | 0.81  |
| METHYLBUTYRATE DE NERYLE                        | 0.05  |
| ALCOOL PHENYLETHYLIQUE                          | 0.03  |
| ALPHA CALACORENE                                | 0.07  |
| ACETATE TERPENIQUE                              | 0.06  |
| METHYLBUTYRATE DE CITRONELLYLE                  | 0.05  |
| ESTER PHENYLETHYLIQUE                           | 0.03  |
| OXYDE DE CARYOPHYLLENE                          | 0.12  |
| ISOVALERATE DE CITRONELLYLE                     | 0.10  |
| TIGLATE DE CITRONELLYLE                         | 0.18  |
| LEDOL                                           | 0.02  |

|                                     |      |
|-------------------------------------|------|
| EPOXYDE SESQUITERPENIQUE            | 0.02 |
| ESTER GERANIQUE                     | 0.07 |
| LEVOJUNENOL                         | 0.03 |
| EPI CUBENOL                         | 0.19 |
| CUBENOL                             | 0.09 |
| GLOBULOL                            | 0.06 |
| ISOMENTHONE                         | 5.71 |
| ALPHA COPAENE                       | 0.57 |
| ISONERAL                            | 0.03 |
| ALPHA BOURBONENE                    | 0.10 |
| BETA BOURBONENE                     | 1.17 |
| COMPOSE AROMATIQUE                  | 0.02 |
| ALPHA GURJUNENE                     | 0.10 |
| SESQUITERPENE                       | 0.02 |
| LINALOL                             | 4.46 |
| DIMENTHYL SULFOXYDE                 | 0.03 |
| NEOISOPULEGOL                       | 0.10 |
| ISOPULEGOL                          | 0.11 |
| ÚCADINENE                           | 0.16 |
| ACETATE D'ISOMENTHYLE               | 0.05 |
| 6 METHYL 3.5 HEPTADIENE 2 ONE       | 0.09 |
| BETA CUBEENE                        | 0.23 |
| BETA CARYOPHYLLENE                  | 1.34 |
| TERPINENE 4 OL                      | 0.03 |
| 6.9 GUAIADIENE                      | 0.40 |
| AROMADENDRENE                       | 0.08 |
| FORMIATE DE CITRONELLYLE            | 8.18 |
| NEOISOMENTHOL                       | 0.18 |
| CADINA 3.5 DIENE                    | 0.16 |
| CADINADIENE ISOMERE                 | 0.22 |
| ALLO AROMADENDRENE                  | 0.22 |
| ALCOOL ALIPHATIQUE                  | 0.07 |
| ZONARENE                            | 0.24 |
| ACETATE DE CITRONELLYLE             | 0.34 |
| SESQUITERPENE                       | 0.03 |
| ALPHA HUMULENE                      | 0.36 |
| FORMATE DE NERYLE                   | 0.09 |
| SESQUITERPENE                       | 0.13 |
| NERAL                               | 0.36 |
| SESQUITERPENE                       | 0.03 |
| ..MUUROLENE                         | 0.33 |
| ALPHA TERPINEOL                     | 0.53 |
| LEDENE                              | 0.05 |
| FORMIATE DE GERANYLE                | 3.05 |
| GERMACRENE D                        | 0.77 |
| SESQUITERPENE                       | 0.11 |
| BETA SELINENE                       | 0.31 |
| DIHYDROAGAROFURANE ISOMERE Mw = 222 | 0.12 |
| SESQUITERPENE                       | 0.08 |
| ALPHA SELINENE                      | 0.35 |
| ALPHA MUUROLENE                     | 0.41 |

|                                |       |
|--------------------------------|-------|
| SESQUITERPENE                  | 0.07  |
| GERANIAL                       | 0.62  |
| BICYCLOGERMACRENE              | 0.33  |
| SESQUITERPENE                  | 0.03  |
| E,E Û FARNESENE                | 0.09  |
| ACETATE DE GERANYLE            | 0.19  |
| û CADINENE                     | 1.64  |
| SESQUITERPENE                  | 0.03  |
| CITRONELLOL                    | 36.70 |
| ALLO AROMADENDRENE             | 0.10  |
| CADINA 1.4 DIENE               | 0.13  |
| ALPHA AMORPHENE                | 0.04  |
| NEROL                          | 0.35  |
| BUTYRATE DE CITRONELLYLE       | 0.46  |
| ESTER ALIPHATIQUE              | 0.02  |
| ESTER ALIPHATIQUE              | 0.03  |
| BUTYRATE DE NERYLE             | 0.09  |
| PROPIONATE DE GERANYLE         | 0.66  |
| GERMACRENE B                   | 0.03  |
| SESQUITERPENE Mw = 202         | 0.02  |
| CALAMENENE                     | 0.31  |
| GERANIOL                       | 13.35 |
| ESTER ALIPHATIQUE              | 0.10  |
| CIS ISOGERANIOL                | 0.11  |
| PROPIONATE DE 2 PHENYLETHYLE   | 0.04  |
| BUTYRATE DE 2 PHENYLETHYLE     | 0.03  |
| TRANS ISOGERANIOL              | 0.07  |
| ALPHA AGAROFURANE              | 0.30  |
| BUTYRATE DE GERANYLE           | 0.81  |
| METHYLBUTYRATE DE NERYLE       | 0.05  |
| ALCOOL PHENYLETHYLIQUE         | 0.03  |
| ALPHA CALACORENE               | 0.07  |
| ACETATE TERPENIQUE             | 0.06  |
| METHYLBUTYRATE DE CITRONELLYLE | 0.05  |
| ESTER PHENYLETHYLIQUE          | 0.03  |
| OXYDE DE CARYOPHYLLENE         | 0.12  |
| ISOVALERATE DE CITRONELLYLE    | 0.10  |
| TIGLATE DE CITRONELLYLE        | 0.18  |
| LEDOL                          | 0.02  |
| EPOXYDE SESQUITERPENIQUE       | 0.02  |
| ESTER GERANIQUE                | 0.07  |
| LEVOJUNENOL                    | 0.03  |
| EPI CUBENOL                    | 0.19  |
| CUBENOL                        | 0.09  |
| GLOBULOL                       | 0.06  |
| VIRIDIFLOROL                   | 0.04  |
| CAPROATE DE GERANYLE           | 0.02  |
| FUOPELARGONE Mw = 234          | 0.06  |
| 10 EPI ..EUDESMOL              | 2.44  |
| TIGLATE DE GERANYLE            | 0.42  |
| SPATHULENOL                    | 0.16  |

|                              |      |
|------------------------------|------|
| EUDESMOL ISOMERE             | 0.04 |
| SESUITERPENOL Mw = 222       | 0.03 |
| EPOXYDE SESQUITERPENIQUE     | 0.03 |
| SESQUITERPENOL Mw = 222      | 0.02 |
| ..EUDESMOL                   | 0.04 |
| T CADINOL                    | 0.02 |
| SESQUITERPENOL               | 0.08 |
| SESQUITERPENOL               | 0.02 |
| CADINOL ISOMERE              | 0.04 |
| TIGLATE DE BETA PHENYLETHYLE | 0.52 |
| ESTER ALIPHALIQUE            | 0.02 |
| EPOXYDE SESQUITERPENIQUE     | 0.05 |
| EPOXYDE SESQUITERPENIQUE     | 0.03 |
| VALERIANOL                   | 0.09 |
| ALPHA EUDESMOL               | 0.02 |
| CADALENE                     | 0.01 |
| EPOXYDE SESQUITERPENIQUE     | 0.03 |
| 4 HYDROXY DIHYDROAGAROFURANE | 0.17 |
| BETA EUDESMOL                | 0.09 |

|              |              |
|--------------|--------------|
| <b>TOTAL</b> | <b>99.67</b> |
|--------------|--------------|