




### CERTIFICATE OF ANALYSIS

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|--|---|
| <b>Product Name :</b> Patchouli Oil                      | <b>Botanical name:</b> <i>Pogostemon cablin</i>                     |
| <b>Sample Name :</b> Patchouli Oil                       | <b>Origin:</b> India  |
| <b>Company Name :</b> Navnetri Gamika Pvt. Ltd., Gurgaon | <b>Batch Number:</b> NG/PA/22-23_002                                |
| <b>Temp. :</b> 20°C                                      | <b>Manufacturing/Distillation Method :</b> Steam Distillation       |
| <b>Sample Test Date :</b> 03 May 2022                    | <b>Part Used:</b> Dried Leaves of <i>Pogostemon cablin</i>          |
| <b>Lab Operator :</b> Ms. Sanju Tyagi                    | <b>Manufacturing Date :</b> May 2022                                |
|  | <b>Expiry Date :</b> May 2027                                       |
|  | <b>Storage :</b> Dark and Cool Place in Glass or Aluminum container |

| S.No. | Parameters              | Unit | Result                      |
|-------|-------------------------|------|-----------------------------|
| 1     | Colour                  | -    | Yellow to Red brown         |
| 2     | Appearance              | -    | Oily liquid                 |
| 3     | Odour                   | -    | Powerful woody and balsamic |
| 4     | Flash-point °C :        | -    | 100 °C                      |
| 5     | Refractive Index (20°C) | -    | 1.505 - 1.515               |
| 6     | Specific Gravity (20°C) | -    | 0.953 - 0.978               |
| 7     | Optical Rotation (20°C) | -    | (-)-60° - (-)40°            |
| 8     | CAS Number              | -    | 8014--09-03                 |
| 9     | INCI Name :             | -    | Pogostemon cablin Oil       |

### CHROMATOGRAPHICAL PROPERTIES

| S.No. | Parameters                           | R.T    | AREA  |
|-------|--------------------------------------|--------|-------|
| 1     | Copaene                              | 28.417 | 2.42  |
| 2     | β-Patchoulene                        | 28.922 | 2.84  |
| 3     | Caryophyllene                        | 30.594 | 3.45  |
| 4     | α-Guaiene                            | 31.228 | 10.46 |
| 5     | Seychellene                          | 31.859 | 6.14  |
| 6     | .α-Patchoulene                       | 32.442 | 7.22  |
| 7     | δ-Guaiene                            | 34.253 | 17.27 |
| 8     | δ-Cadinene                           | 34.895 | 1.11  |
| 9     | Norpatchoulenol                      | 37.095 | 0.92  |
| 10    | Caryophyllene oxide                  | 38.113 | 0.77  |
| 11    | β-Guaiene                            | 39.973 | 1.08  |
| 12    | Pogostole                            | 40.407 | 0.54  |
| 13    | β-Selinene                           | 41.342 | 1.94  |
| 14    | Patchouli alcohol                    | 42.011 | 27.72 |
| 15    | Isovalencenol                        | 42.501 | 0.29  |
| 16    | Ethanone, 1-(2,3,4-trihydroxyphenyl) | 43.621 | 0.34  |
| 17    | Isoaromadendrene epoxide             | 44.143 | 0.16  |

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|--|---|--|------|
| 18   | $\alpha$ -Guaiene   | 44.687   | 0.23 |
| 19   | Cyclotrisiloxane, hexamethyl-   | 66.255   | 1.09 |
| 20   | Lup-20(29)-en-3-one   | 68.119   | 3.09 |
| 21   | Ethoxy(phenyl)silanediol, 2TMS  | 69.441   | 0.94 |
| 22   | Silane, [[5,5-dimethyl-4-methylene-2-(trimethylsilyl)-1-cyclopenten-1-yl]methoxy]trimethyl- | 71.072   | 1.02 |
| 23   | Shisool acetate   | 71.842   | 3.18 |
| 24   | 2-Ethylhydroquinone, bis(trimethylsilyl) ether  | 73.109   | 1.26 |
| 25   | Benzamide, 4-ethyl-N-(2-ethylphenyl)  | 74.789   | 0.9  |
| 26   | Lup-20(29)-en-3-ol, acetate, (3 $\beta$ )-  | 75.979   | 0.94 |
| 27   | 2-Fluoro-3-trifluoromethylbenzoic acid, butyl ester   | 76.611   | 1.12 |
| 28   | 4,5-Dimethyl-1,3-benzenediol, 2TMS  | 78.138   | 0.52 |
| 29   | Cyclotetrasiloxane, octamethyl-   | 78.95  | 0.55 |
| 30   | Polyneuridinediol diacetate   | 79.753   | 0.49 |
| <p>* Maximum concentration determined by the best of our knowledge based on analytical control by Gas Chromatography (DB-WAX Capillary column L 20 m, d 100 <math>\mu</math>m x 0,2 <math>\mu</math>m, Polar stationary phase, T°C oven 60°C at 248°C with 12°C / mn, T°C injector 275°C, T°C detector 275°C, Detector FID, Split injection 0,2 <math>\mu</math>l, Carrier gas Hydrogen - 0,7 ml/mn)</p> <p>DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.</p> |   |  |      |
| 03-05-2022   |   | Navnetri Gamika Pvt. Ltd, Q-114A, N.P.V.-2, GGN-HR |      |
|  <p>For NAVNETRI GAMIKA PVT. LTD.<br/>Authorized Signature</p>   |   |  |      |
| NG/PA/22-23  |   | End of document                                    |      |