

Appalachian Valley Natural Products

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| Certificate of Analysis:        |                           |
|---------------------------------|---------------------------|
| Oil Name:                       | Basil Sweet Linalool USA  |
| Botanical Name:                 | <i>(Ocimum basilicum)</i> |
| Lot Number:                     | USD7-DY                   |
| Country:                        | USA                       |
| Name:                           | Area%                     |
| alpha-Thujene                   | 0.04                      |
| alpha-Pinene                    | 0.21                      |
| Camphene                        | 0.07                      |
| Sabinene                        | 0.11                      |
| Pinene <beta>                   | 0.25                      |
| Myrcene                         | 0.20                      |
| Terpinene <alpha>               | 0.06                      |
| Cymene <para>                   | 0.11                      |
| Limonene                        | 0.21                      |
| beta-Phellandrene               | 0.03                      |
| 1,8-Cineole                     | 2.59                      |
| cis-beta-Ocimene                | 0.04                      |
| trans-beta-Ocimene              | 0.43                      |
| gamma-Terpinene                 | 0.10                      |
| trans-Sabinene hydrate          | 0.15                      |
| Terpinolene                     | 0.06                      |
| trans-Linalool oxide (furanoid) | 0.13                      |
| Linalool                        | 78.81                     |
| Hotrienol                       | 0.08                      |
| Unidentified                    | 0.03                      |
| Camphor                         | 0.22                      |
| Berneol                         | 0.15                      |
| Menthol (Carryover)             | 0.16                      |
| Terpinen-4-ol                   | 0.93                      |
| alpha-Terpineol                 | 0.35                      |
| Estragole                       | 0.16                      |
| Octyl acetate                   | 0.06                      |
| Nerol                           | 0.05                      |
| Citronellol                     | 0.04                      |
| Neral                           | 0.05                      |
| Geraniol                        | 2.76                      |



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|                         |      |
|-------------------------|------|
| Geranial                | 0.10 |
| Bornyl acetate          | 0.64 |
| Eugenol                 | 1.57 |
| alpha-Copaene           | 0.04 |
| Geranyl acetate         | 0.39 |
| alpha-Bourbonene        | 0.08 |
| beta-Elemene            | 0.62 |
| beta-Caryophyllene      | 0.12 |
| trans-alpha-Bergamotene | 1.86 |
| alpha-Guaiene           | 0.20 |
| cis-Murrola-3,5-diene   | 0.03 |
| trans-beta-Farnesene    | 0.06 |
| alpha-Humulene          | 0.21 |
| cis-Cadina-1(6),4-diene | 0.19 |
| Germacrene D            | 1.36 |
| Farnesene isomer        | 0.15 |
| beta-Selinene           | 0.05 |
| Bicyclogermacrene       | 0.31 |
| alpha-Bulnesene         | 0.30 |
| Unidentified            | 0.06 |
| gamma-Cadinene          | 1.03 |
| delta-Cadinene          | 0.05 |
| cis-Calamenene          | 0.08 |
| beta-Sesquiphellandrene | 0.08 |
| trans-Nerolidol         | 0.16 |
| Unidentified            | 0.04 |
| Spathulenol             | 0.03 |
| 1,10-di-epi-Cubenol     | 0.21 |
| epi-alpha-Cadinol       | 1.15 |
| Precocene               | 0.19 |

