

Essential Validation Services



Client: | Nature's Fusions

Nature's FUSIONS

Sample: | Lemon-aid (Uplifting)

Batch # | <u>NF-NF.LEMA-18-A</u>

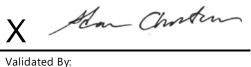
CAS Number |

Blend Type:

Conclusion:

- No adulterants, diluents, or contaminants were detected via this method.
- This oil meets the expected profile for genuine oil of Lemon-aid (Uplifting).

Han Charten





Essential Validation Services

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Summary of Analyses

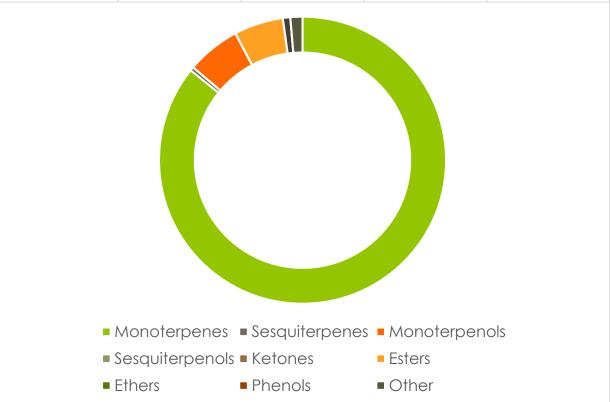
A fresh sample of Lemon-aid (Uplifting) (10 uL in .5to.5 mL Hexane + ETOH) was prepared and analyzed via split injection GC/EI-MS.

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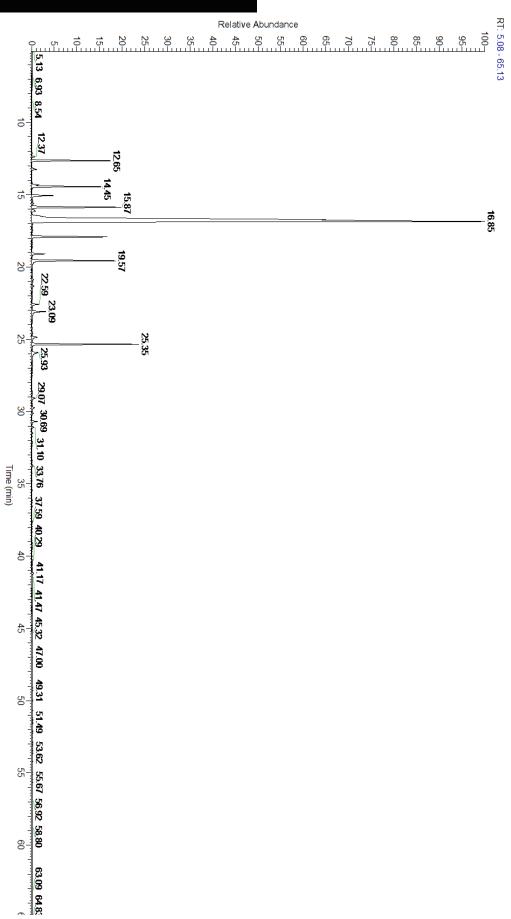


| Percentages |
|-------------|
| 65.34% |
| 5.55% |
| 5.40% |
| 4.82% |
| 4.21% |
| 4.08% |
| 3.89% |
| 1.21% |
| 0.87% |
| 0.74% |
| 0.50% |
| 0.36% |
| 0.34% |
| |

| Monoterpenes | Sesquiterpenes | Monoterpenols | Sesquiterpenols | Ketones |
|--------------|----------------|---------------|-----------------|---------|
| 85.77% | 0.43% | 6.05% | 0.00% | 0.00% |
| | | | | |
| Esters | Ethers | Aldehydes | Phenols | Other |
| 5.55% | 0.00% | 0.84% | 0.00% | 1.36% |



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| Total Percentage | | 98.64% | | | |
|------------------|-------|------------|---------------------------|---------|----------------------|
| Peak Number | RT | Area % | Compound Name | RI | Chemical Family |
| 1 | 12.37 | 0.14% | alpha-Thujene | 927.80 | Monoterpene |
| 2 | 12.65 | 4.21% | alpha-Pinene | 936.10 | Monoterpene |
| 3 | 13.25 | 0.31% | Camphene | 950.30 | Monoterpene |
| 4 | 14.31 | 0.34% | Sabinene | 973.00 | Monoterpene |
| 5 | 14.45 | 3.89% | beta-Pinene | 974.00 | Monoterpene |
| 6 | 15.06 | 1.21% | Myrcene | 989.20 | Monoterpene |
| 7 | 15.61 | 0.09% | alpha-Phellandrene | 1002.00 | Monoterpene |
| 8 | 15.87 | 5.40% | delta-3-Carene | 1008.00 | Monoterpene |
| 9 | 16.85 | 65.34% | Limonene | 1029.50 | Monoterpene |
| 10 | 16.85 | Co-Eluting | beta-Phellandrene | 1030.00 | Monoterpene |
| 11 | 17.46 | 0.02% | (E)-beta-Ocimene | 1047.70 | Monoterpene |
| 12 | 17.92 | 4.08% | gamma-Terpinene | 1054.00 | Monoterpene |
| 13 | 19.09 | 0.74% | Terpinolene | 1092.10 | Monoterpene |
| 14 | 19.57 | 4.82% | Linalool | 1099.00 | Monoterpenol |
| 15 | 22.59 | 0.36% | Terpinen-4-ol | 1180.57 | Monoterpenol |
| 16 | 23.09 | 0.87% | alpha-Terpineol | 1191.71 | Monoterpenol |
| 17 | 24.86 | 0.34% | Neral | 1246.57 | Monoterpene Aldehyde |
| 18 | 25.35 | 5.55% | Linalyl acetate | 1263.80 | Monoterpene Ester |
| 19 | 25.93 | 0.50% | Geranial | 1272.00 | Monoterpene Aldehyde |
| 20 | 30.69 | 0.30% | Longifolene | 1403.83 | Sesquiterpene |
| 21 | 31.10 | 0.08% | beta-Caryophyllene | 1427.14 | Sesquiterpene |
| 22 | 33.76 | 0.05% | cis-Muurola-4(14),5-diene | 1465.75 | Sesquiterpene |
| | | | | | |

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