



Juniper Berry *Juniperus communis*

Batch No. BU-58950
Bulgaria

Monoterpenes 71.84%

| | |
|-----------------------|-------|
| α pinene | 34.73 |
| myrcene | 17.15 |
| sabinene | 9.43 |
| limonene | 4.38 |
| β pinene | 2.19 |
| α thujene | 1.09 |
| terpinolene | 0.87 |
| γ terpinene | 0.79 |
| α terpinene | 0.42 |
| camphene | 0.24 |
| α phellandrene | 0.24 |
| para cymene | 0.21 |
| tricyclene | 0.08 |
| cis β ocimene | 0.02 |

Monoterpenols 1.15%

| | |
|--------------------|------|
| terpinen-4-ol | 0.92 |
| α terpineol | 0.13 |
| linalol | 0.08 |
| borneol | 0.02 |

Sesquiterpenes 24.55%

| | |
|------------------------|------|
| β caryophyllene | 3.92 |
| γ cadinene | 0.54 |
| α cubebene | 0.78 |
| α copaene | 0.47 |
| β elemene | 1.54 |
| α cedrene | 0.37 |
| thujopsene | 3.29 |
| aromadendrene | 0.03 |
| (Z)- β farnesene | 0.08 |
| (E) β farnesene | 0.70 |
| α humulene | 2.73 |
| γ muurolene | 0.53 |
| germacrene D | 5.55 |
| β selinene | 0.19 |
| bicyclogermacrene | 0.20 |
| α selinene | 1.00 |
| α muurolene | 0.07 |
| δ cadinene | 1.86 |
| α cadinene | 0.22 |
| selina-3,7(11)-diene | 0.09 |
| germacrene B | 0.39 |

Sesquiterpenols 0.77%

| | |
|-------------------|------|
| α acorenol | 0.08 |
| cubenol | 0.13 |
| α muurolol | 0.30 |
| α cadinol | 0.26 |

Esters 0.3%

| | |
|----------------|-----|
| bornyl acetate | 0.3 |
|----------------|-----|

Ethers 0.15%

| | |
|---------------------|------|
| caryophyllene oxide | 0.15 |
|---------------------|------|

Raw Material: Juniper Berry
INCI Name: *Juniperus communis*
Production Method: Steam Dist., Berries
Date of Analysis: 7/16/2019

Client



Source



Juniper berry (*Juniperus communis*)
BU-58950

Sample

Juniper berry (*Juniperus communis*)
Batch #:..... BU-58950
Type:..... Essential Oil
CAS Number:... 8012-91-7
Nature's Gift

Client



Website

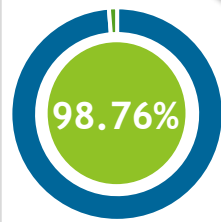
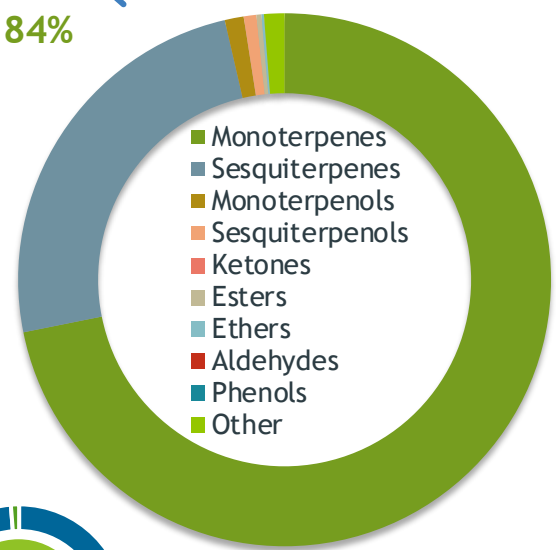


Primary

34.73% | alpha-Pinene
17.15% | Myrcene
9.43% | Sabinene

Monoterpenes

71.84%



Percentage Identified

Result



Conclusion

No adulterants, Diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Juniper berry (*Juniperus communis*)

Internal Number: | EVS-3097



Essential Validation Services

747 SW 2nd Ave IMB 12 Suite 306
Gainesville, FL 32601

317.361.5044 |

<https://essentialvalidation.com/>

adam@essentialvalidation.com

| | | |
|-----------------|--------|--------|
| Monoterpenes | 71.84% | 71.84% |
| Sesquiterpenes | 24.55% | 24.55% |
| Monoterpenols | | 1.15% |
| Sesquiterpenols | | 0.77% |
| Ketones | | 0.00% |
| Esters | | 0.30% |
| Ethers | | 0.15% |
| Aldehydes | | 0.00% |
| Phenols | | 0.00% |
| Other | | 1.24% |

ESSENTIAL VALIDATION SERVICES | 747 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044

Client



Source



Juniper berry (*Juniperus communis*)
BU-58950

| Total Percentage | | 98.76% | | | |
|------------------|-------|--------|--------------------|---------|-------------------|
| Number | RT | Area % | Compound Name | RI | Chemical Family |
| 1 | 11.58 | 0.08% | Tricyclene | 923.00 | Monoterpene |
| 2 | 11.82 | 1.09% | alpha-Thujene | 927.80 | Monoterpene |
| 3 | 12.13 | 34.73% | alpha-Pinene | 936.10 | Monoterpene |
| 4 | 12.66 | 0.24% | Camphene | 950.30 | Monoterpene |
| 5 | 13.72 | 9.43% | Sabinene | 973.00 | Monoterpene |
| 6 | 13.83 | 2.19% | beta-Pinene | 974.00 | Monoterpene |
| 7 | 14.49 | 17.15% | Myrcene | 989.20 | Monoterpene |
| 8 | 15.22 | 0.24% | alpha-Phellandrene | 1002.00 | Monoterpene |
| 9 | 15.49 | 0.42% | alpha-Terpinene | 1014.00 | Monoterpene |
| 10 | 15.80 | 0.21% | para-Cymene | 1024.30 | Monoterpene |
| 11 | 15.99 | 4.38% | Limonene | 1029.50 | Monoterpene |
| 12 | 16.43 | 0.02% | (Z)-beta-Ocimene | 1037.80 | Monoterpene |
| 13 | 17.22 | 0.79% | gamma-Terpinene | 1054.00 | Monoterpene |
| 14 | 18.43 | 0.87% | Terpinolene | 1092.10 | Monoterpene |
| 15 | 18.91 | 0.08% | Linalool | 1099.00 | Monoterpenol |
| 16 | 21.47 | 0.02% | Borneol | 1168.71 | Monoterpenol |
| 17 | 21.89 | 0.92% | Terpinen-4-ol | 1180.57 | Monoterpenol |
| 18 | 22.43 | 0.13% | alpha-Terpineol | 1191.71 | Monoterpenol |
| 19 | 25.80 | 0.30% | Bornyl acetate | 1288.29 | Monoterpene Ester |
| 20 | 28.02 | 0.78% | alpha-Cubebene | 1355.71 | Sesquiterpene |
| 21 | 28.93 | 0.47% | alpha-Copaene | 1379.00 | Sesquiterpene |
| 22 | 29.43 | 1.54% | beta-Elemene | 1389.20 | Sesquiterpene |
| 23 | 29.80 | 0.37% | alpha-Cedrene | 1410.75 | Sesquiterpene |
| 24 | 30.39 | 3.92% | beta-Caryophyllene | 1427.14 | Sesquiterpene |
| 25 | 30.76 | 3.29% | Thujopsene | 1429.50 | Sesquiterpene |
| 26 | 31.00 | 0.03% | Aromadendrene | 1449.80 | Sesquiterpene |
| 27 | 31.16 | 0.08% | (Z)-beta-Farnesene | 1453.40 | Sesquiterpene |
| 28 | 31.37 | 0.70% | (E)-beta-Farnesene | 1456.29 | Sesquiterpene |
| 29 | 31.47 | 2.73% | alpha-Humulene | 1461.43 | Sesquiterpene |
| 30 | 32.14 | 0.53% | gamma-Muurolene | 1478.86 | Sesquiterpene |
| 31 | 32.33 | 5.55% | Germacrene D | 1484.71 | Sesquiterpene |
| 32 | 32.50 | 0.19% | beta-Selinene | 1487.57 | Sesquiterpene |
| 33 | 32.68 | 0.20% | Bicyclogermacrene | 1490.71 | Sesquiterpene |
| 34 | 32.85 | 1.00% | alpha-Selinene | 1492.50 | Sesquiterpene |
| 35 | 33.07 | 0.07% | alpha-Muurolene | 1500.25 | Sesquiterpene |

ESSENTIAL VALIDATION SERVICES | 747 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044

