AROMATICS DATA

GC-MS BATCH SUMMARY

Batch SJW-105

November 20, 2026

St. John's Wort Essential Oil

Hypericum perforatum

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
August 15, 2023	**Steam Distilled**	**Certified Organic**	**Bulgaria**

TOP 5 COMPONENTS

of 78 measured

2-methyloctane	Other	**40.94%**
α-pinene	Monoterpene	**18.51%**
β-pinene	Monoterpene	**5.77%**
germacrene D	Sesquiterpene	**4.52%**
1-octen-3-ol	Sesquiterpenol	**4.05%**

Full composition · 78 components across 8 families

Other	**46.39%**
2-methyloctane	40.94%
nonane	3.44%
undecane	0.93%
1-tetradecanol	0.32%
(2Z)-nonenol	0.19%
2-epi-β-funebrene	0.17%
tridecane	0.11%
octane	0.08%
(E)-calamenene	0.05%
nonacosane	0.05%

Every batch is GC-MS tested by an independent lab. This report is provided for full transparency by Aromatics International.

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nonadecane	0.03%
phytone	0.03%
tetradecane	0.02%
1-hexanol	0.01%
dehydro-p-cymene	0.01%
pentacosane	0.01%
Monoterpene	**29.30%**
α-pinene	18.51%
β-pinene	5.77%
(E)-β-ocimene	1.79%
β-myrcene	0.92%
limonene (d)	0.63%
(Z)-β-ocimene	0.43%
α-thujene	0.41%
γ-terpinene	0.25%
p-cymene	0.17%
isoterpinolene	0.13%
α-terpinene	0.11%
camphene	0.07%
alloocimene	0.06%
α-phellandrene	0.03%
α-fenchene	0.02%
Sesquiterpene	**13.21%**
germacrene D	4.52%
β-caryophyllene	2.77%
δ-cadinene	1.07%
(Z,E)-α-farnesene	0.80%
γ-muurolene	0.72%
γ-cadinene	0.58%

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(E)-β-farnesene	0.32%
β-copaene	0.28%
(E,E)-α-farnesene	0.26%
α-copaene	0.21%
viridiflorene	0.20%
δ-elemene	0.19%
α-caryophyllene	0.17%
aromadendrene	0.16%
α-cadinene	0.14%
allo-aromadendrene	0.11%
β-bourbonene	0.09%
α-cubebene	0.08%
β-cedrene	0.07%
δ-amorphene	0.06%
α-ylangene	0.06%
(E)-cadina-1,4-diene	0.06%
(Z)-cadina-1(6),4-diene	0.06%
himachala-2,4-diene	0.05%
α-gurjunene	0.04%
zonarene	0.04%
α-calacorene	0.04%
β-cubebene	0.03%
β-elemene	0.03%
Sesquiterpenol	**5.22%**
1-octen-3-ol	4.05%
α-muurolol	0.33%
α-cadinol	0.27%
spathulenol	0.16%
(E)-nerolidol	0.11%
globulol	0.07%

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rosifoliol	0.07%
viridiflorol	0.05%
junenol	0.05%
1,10-epi-cubenol	0.03%
allohimachalol	0.03%
Oxide	**0.24%**
caryophyllene oxide	0.24%
Aldehyde	**0.24%**
decane	0.21%
nonanal	0.03%
Monoterpenol	**0.21%**
α-terpineol	0.09%
τ-cadinol	0.08%
terpinen-4-ol	0.04%
Ester	**0.12%**
(Z)-muurola-4(14),5-diene	0.12%

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