AROMATICS DATA

GC-MS BATCH SUMMARY

Batch PEA-113

October 31, 2026

Corn Mint (Wild Mint) Essential Oil

Mentha arvensis

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
June 15, 2026	Steam Distilled	Organically Grown	India

TOP 5 COMPONENTS

of 77 measured

menthol	Monoterpenol	**72.50%**
menthone	Ketone	**7.91%**
neomenthol	Monoterpenol	**2.45%**
isomenthone	Ketone	**2.42%**
limonene (d)	Monoterpene	**2.26%**

Batch PEA-113 comes from organically grown corn mint in India, steam distilled in June 2026 from freshly harvested herb. *Mentha arvensis* gives a bright, high-impact mint aroma, cooler and sharper than peppermint, with a clean sweetness underneath that makes it a favorite for diffusion and carefully diluted topical blends.

GC-MS analysis of this batch identified 77 components. Menthol leads at 72.5 percent, followed by menthone at 7.91 percent and neomenthol at 2.45 percent. Monoterpenols total 77.62 percent here, a family associated with gentle, skin-friendly character, while the ketone fraction at 11.13 percent contributes the crisp, clearing quality that gives this oil its refreshing lift and supports a sense of easy, open breathing.

This specific batch was independently GC-MS tested, and the full report and certificate of analysis are available to download so you can see exactly what is in the bottle.

CHEMISTRY HIGHLIGHTS

Batch PEA-113 is menthol-forward even by this oil's standards: 72.5% menthol sits near the top of the 64.51-74.77% we have recorded across our batches, and the monoterpenol family totals 77.62%. The ketones are the interesting part. Menthone at 7.91% edges just past our previous high of 7.8%, while isomenthone runs

2.42%, below the 3.24% floor we have seen. That reduced-to-oxidized pairing points to a distillation caught with the menthone-to-menthol conversion well along.

The rest is a long tail: 77 components, with menthyl acetate at 2.05% sitting alongside its parent alcohol, plus menthofuran (2.17%) and a green-smelling trace of (Z)-3-hexenyl isovalerate at 0.49%.

Full composition · 77 components across 11 families

Monoterpenol	**77.62%**
menthol	72.50%
neomenthol	2.45%
isopulegol	0.96%
dihydrocarveol	0.64%
neoisomenthol	0.44%
α-terpineol	0.22%
lavandulol	0.11%
linalool	0.10%
isomenthol	0.08%
1-octanol	0.05%
(Z)-sabinol	0.02%
citronellol	0.02%
(E)-p-mentha-2,8-dien-1-ol	0.01%
(Z)-p-mentha-2,8-dien-1-ol	0.01%
(E)-pinocarveol	0.01%
Ketone	**11.13%**
menthone	7.91%
isomenthone	2.42%
piperitone	0.41%
pulegone	0.35%
carvone	0.03%
(Z)-jasmone	0.01%

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Monoterpene	**3.89%**
limonene (d)	2.26%
β-pinene	0.54%
α-pinene	0.43%
β-myrcene	0.33%
sabinene	0.21%
terpinolene	0.04%
p-cymene	0.02%
(Z)-β-ocimene	0.02%
α-thujene	0.01%
camphene	0.01%
pseudolimonene	0.01%
γ-terpinene	0.01%
Ester	**2.81%**
menthyl acetate	2.05%
(Z)-3-hexenyl isovalerate	0.49%
decyl acetate	0.08%
octyl acetate	0.07%
isomenthyl acetate	0.06%
hexyl isovalerate	0.04%
(Z)-3-hexenyl hexanoate	0.01%
ethyl palmitate	0.01%
Ether	**2.18%**
menthofuran	2.17%
estragole (methyl chavicol)	0.01%
Sesquiterpene	**1.02%**
β-caryophyllene	0.38%
germacrene D	0.23%
β-bourbonene	0.11%

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β-elemene	0.05%
β-copaene	0.04%
bicyclogermacrene	0.04%
δ-cadinene	0.04%
δ-elemene	0.03%
allo-aromadendrene	0.03%
α-caryophyllene	0.03%
(Z)-hex-3-en-1-ol	0.01%
α-copaene	0.01%
γ-amorphene	0.01%
γ-cadinene	0.01%
Sesquiterpenol	**0.47%**
3-octanol	0.36%
1-decanol	0.07%
spathulenol	0.03%
(E)-nerolidol	0.01%
Other	**0.24%**
2,5-Diethyltetrahydrof...an	0.04%
neo-menthyl acetate	0.04%
nonyl acetate	0.04%
neo-isoisopulegyl acetate	0.04%
Hexenyl phenyl acetate<3Z->	0.03%
26.06 Neryl acetone	0.02%
3-Hexanone	0.01%
Butanediol<2,3->	0.01%
1-hexadecene	0.01%
Oxide	**0.22%**
1,8-cineole	0.14%
caryophyllene oxide	0.05%

linalool (Z)-oxide	0.02%
(E)-linalool oxide	0.01%
Phenol	**0.02%**
eugenol	0.02%
Aldehyde	**0.02%**
nonanal	0.01%
decanal	0.01%

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