AROMATICS DATA

GC-MS BATCH SUMMARY

Batch CLB-117

November 20, 2026

Clove Bud Essential Oil

Syzygium aromaticum

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
June 15, 2026	**Steam Distilled**	**Wildcrafted**	**India**

TOP 5 COMPONENTS

of 43 measured

eugenol	Phenol	**75.54%**
eugenyl acetate	Ester	**12.28%**
β-caryophyllene	Sesquiterpene	**7.76%**
α-caryophyllene	Sesquiterpene	**1.14%**
caryophyllene oxide	Oxide	**0.39%**

Batch CLB-117 comes from India, where the clove buds were wildcrafted and then steam distilled in June 2026. *Syzygium aromaticum* yields one of the most instantly recognizable aromas in the kit: deep, sweet, and spicy, with a warm woody base that lingers on a blotter long after the first impression fades.

Every batch we bring in is independently GC-MS tested before it reaches you, and the full report and certificate of analysis for CLB-117 are available to download here. You can see exactly what is in the bottle.

CHEMISTRY HIGHLIGHTS

Batch CLB-117 leans ester-rich: eugenyl acetate at 12.28% sits well above the 9.27% mean across our eight analyzed Clove Bud batches and near the top of the 2.86-14.14% span we've recorded. Eugenol comes in at 75.54%, a touch under its 76.98% average but comfortably inside range, so the acetate has gained at the free phenol's expense. Seeing an ester and its parent phenol together like this is the whole story of the profile; together they account for just over 88%.

The caryophyllenes follow behind at 7.76% beta and 1.14% alpha, with caryophyllene oxide (0.39%) trailing

them. Below that, 43 components in total, including chavicol at 0.13%, vanillin at 0.04% and a whisper of methyl salicylate at 0.08%.

Full composition · 43 components across 10 families

Phenol	**75.67%**
eugenol	75.54%
chavicol	0.13%
Ester	**12.43%**
eugenyl acetate	12.28%
methyl salicylate	0.08%
benzyl benzoate	0.04%
benzyl acetate	0.01%
ethyl benzoate	0.01%
α-terpinyl acetate	0.01%
Sesquiterpene	**9.22%**
β-caryophyllene	7.76%
α-caryophyllene	1.14%
δ-cadinene	0.11%
α-copaene	0.07%
β-chamigrene	0.05%
γ-muurolene	0.03%
α-longipinene	0.02%
β-caryophyllene · cis-caryophyllene	0.02%
α-ylangene	0.01%
β-selinene	0.01%
Other	**0.58%**
Caryolan-8-ol	0.33%
Caryophyllene<14-hydroxy-9-epi-(E)->	0.08%
toluene	0.04%

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Heptyl acetate<2->	0.04%
Butanediol<2,3->	0.02%
Heptanone<2->	0.02%
Furfural<5-methyl->	0.02%
octane	0.01%
Heptanol<2->	0.01%
1-tetradecene	0.01%
Oxide	**0.51%**
caryophyllene oxide	0.39%
allo-aromadendrene epoxide	0.06%
humulene epoxide 2	0.05%
1,8-cineole	0.01%
Sesquiterpenol	**0.41%**
viridiflorol	0.18%
palustrol	0.14%
widdrol	0.08%
α-cadinol	0.01%
Monoterpene	**0.22%**
limonene (d)	0.19%
α-pinene	0.02%
δ-3-carene	0.01%
Aldehyde	**0.16%**
furfural	0.12%
vanillin	0.04%
Ketone	**0.03%**
2-nonanone	0.03%
Furan	**0.01%**
perillene	0.01%