



ESSENTIAL OIL SINGLES

Xanthoxylum Essential Oil
Zanthoxylum armatum

BATCH NUMBER

TIM-109

COUNTRY OF ORIGIN

Nepal

EXTRACTION DATE

July 2024

Gas Chromatography Analysis (%)

MONOTERPENOL

linalool	47.40%	terpinen-4-ol	1.30%
α-terpineol	0.47%	(Z)-p-Menth-2-en-1-ol	0.17%
p-cymen-8-ol	0.09%	nerol	0.03%

MONOTERPENE

limonene (d)	25.86%	β-myrcene	2.90%
p-cymene	0.82%	γ-terpinene	0.51%
terpinolene	0.41%	α-phellandrene	0.33%
sabinene	0.32%	α-pinene	0.29%
α-terpinene	0.29%	styrene	0.23%
β-pinene	0.19%	α-thujene	0.15%
(E)-β-ocimene	0.08%	(Z)-β-ocimene	0.06%

ESTER

(E)-methylcinnamate	11.93%	linalyl acetate	0.03%
geranyl acetate	0.01%		

OXIDE

linalool (Z)-oxide	0.49%	(E)-linalool oxide	0.36%
caryophyllene oxide	0.15%		

KETONE

cryptone	0.47%	piperitone	0.40%
carvone	0.06%		

SESQUITERPENE

β -caryophyllene	0.61%	α -caryophyllene	0.11%
γ -cadinene	0.04%	δ -cadinene	0.02%

ALDEHYDE

phellandral	0.50%	benzaldehyde	0.04%
citronellal	0.03%	decanal	0.03%