

Study	Raina et al. (2002)	Raina et al. (2013)	Rana et al. (2010)	Raina et al. (2002)	Raina et al. (2013)	Pooter et al. (1985)
Extraction Method	Hydro-distillation	Hydrodistillation	Hydro-distillation	Steam distillate	Steam distillation	On top of steam distillation
Plant Part	Rhizomes	Dried Rhizomes	Fresh rhizomes	Fresh Rhizomes	Dry rhizomes	Fresh Rhizomes
Origin	Nagar, Uttaranchal, India	From Imphal district of Manipur, India and multiplied in Shillong, India	Imphal, India	Kuala Lumpur, Malaysia	Kuala Lumpur, Malaysia	Kuala Lumpur, Malaysia
Compound	Monoterpenoid Chemotype					Sesquiterpenoids Chemotype
1,8-Cineole	39.4	63.4	53.4	58.5	24	5.5
β -Farnesene	-	8.4	0.4	8.1	30.6	18.2
β -Bisabolene	0.4	0.3	0.8	3.9	4.9	16.2
Terpinen-4-ol	0.4	2.8	2.9	2.2	7	0.3
Bornyl acetate	0.3	0.6	2.5	0.7	0.2	2.5
α -Pinene	5.6	1.9	1.1	0.8	0.2	10.2
α -Terpineol	6.6	2.8	2.1	2.2	0.8	0.2
β -Pinene	11.9	0.8	1.5	0.1	0.2	1.6
Myrcene	1.4	0.4	0.9	0.2	0.4	0.7
Eugenol acetate	-	3.3	1.9	2.3	2.7	1.5
ar-Curcumene	0.2	-	-	0.3	0.6	1.9
Chavicol acetate	-	-	5.9	tr	2.8	0.2
Geranyl acetate	-	0.5	0.5	1.4	0.9	5.1
α -Bergamotene	0.2	-	0.1	1.7	0.9	10.7
β -Sesquiphellandrene	-	2.6	5	3.2	2.2	1.6