

Study	Duong et al (2022)	Duong et al (2022)	Duong et al (2022)	Duong et al (2022)	Dosoky et al (2019)	Dosoky et al (2019)	Dosoky et al (2019)	Dosoky et al (2019)	Dosoky et al (2019)
Extraction Method	Hydro-distillation	Hydro-distillation	Hydro-distillation	Hydro-distillation	Hydro-distillation	Steam Distillation	Steam Distillation	Steam Distillation	Supercritical CO2 Extraction
Plant Part	Yellow Mother Rhizome	Yellow Daughter Rhizome	Red "mother" rhizome	Red "daughter" rhizome	Rhizome	Rhizome	Rhizome	Rhizome	Rhizome
Origin	Bac Giang province	Bac Giang province	Quang Tri province	Quang Tri province	Nepal	Nepal	Indonesia	India	India
Compound									
ar-Turmerone	8.3	12.6	36.1	31.3	28.95	23.28	18.86	33.4	32.07
α-Turmerone	12.7	14.1	15.2	13	25.86	27.69	21.88	19.14	17.79
β-Turmerone/ Curlone	5	6.9	15.4	13	14.18	14.15	13.84	13.11	15.03
α-Zingiberene	11.4	13.9	3.4	4.6	2.5	4.74	2.55	2.85	4.15
β-Sesquiphellandrene	8.9	10	4.9	4.6	2.84	4.29	4.04	2.28	6.87
ar-Curcumene	3.5	3.6	2.6	2.4	1.37	1.9	4.39	3.08	4.54
1,8-Cineole	13.1	3.3	3.5	1.4	0.58	0.85	0.82	1.39	0.97
(6S,7R)-Bisabolone	2.8	2.3	1.5	1.6	0.99	1	0.63	0.52	1.04
β-Bisabolene	2.4	2.5	0.8	0.8	0.41	0.73	0.91	0.74	1.13
Terpinolene	1	1.1	2.3	2.6	3.34	3.57	0.54	2.5	0
Germacrone	5.5	4.6	---	1.5	4.44	1.6	0	0	0
Zingiberenol	2.9	2.6	0.9	1.2	-	-	-	-	-
α-Phellandrene	tr	tr	0.1	0.1	0.1	0.81	2.69	2.01	0.33
α-Thujene	tr	tr	tr	tr	0.11	0.51	0.76	1.54	0.37
7-epi-trans-Sesquisabinene hydrate	1.6	1.5	0.3	0.7	-	-	-	-	-
trans-β-Elemenone	1.3	1.1	---	0.4	-	-	-	-	-
α-Terpineol	1.3	0.3	tr	0.1	-	-	-	-	-
Curcumenol	1.2	0.9	---	0.5	-	-	-	-	-
Caryophyllene	0.1	0.3	1.2	2.1	-	-	-	-	-
(E)-α-Atlantone	-	-	-	-	0.57	1.41	1.15	0.72	2.83