

Study	Kumer et al. (2022)	G. Singh et al. (2008)	Nam et al. (2022)	Nam et al. (2022)	Tarfaoui et al. (2022)
Extraction Method	Hydro-distillation	Hydro-distillation	Raw Ginger Juice	Ginger Tea from dried ginger powder + H2O	Hydro-distillation
Plant Part	Fresh Rhizomes	Fresh Rhizomes	Fresh Rhizomes	Dried Rhizomes	Dried Rhizomes
Origin	Nepal	Local market in Gorakhpur, India	Jeollabuk-do Province, South Korea	Jeollabuk-do Province, South Korea	Country of origin: China
Compound					
Neral	8.28	7.4	7.34%	ND	4.06
Camphene	8.91	3	7.43%	2.23%	3.29
Borneol	1.58	2.1	2.71%	6.18%	1.8
1,8-Cineole	2.38	1.9	0.00%	8.45%	6
Linalool	1.33	0.9	1.70%	ND	0.6
$\beta$ -Phellandrene	7.54	1.4	0.59	ND	-
Bornyl acetate	0.3	0.3	1.32%	1.78%	-
Zingiberenol	-	1.7	3.82%	8.79%	1.95
trans-Nerolidol	-	1.5	2.46%	ND	0.38
$\alpha$ -Zingiberene	13.66	9.5	-	-	22.18
Geranial	12.63	25.9	-	-	5.13
$\beta$ -Sesquiphellandrene	5.32	5.1	-	-	11.05
ar-Curcumene	4.36	6.6	-	-	8.4
(E,E)- $\alpha$ -Farnesene	4.46	7.6	-	-	-
$\alpha$ -Pinene	3.03	0.8	-	-	1.23
Citronellal	-	0.7	3.62%	3.76%	-
Geraniol	1.88	3.4	-	-	-
Geranyl acetate	2.3	0.6	-	-	-
Limonene	1.6	0.5	-	-	-
Myrcene	1.52	0.5	-	-	-
$\beta$ -Bisabolene	2.78	-	-	-	4.96
Cubebanol	-	-	6.99%	11.15%	-
$\beta$ -Acorenol	-	-	1.94%	4.63%	-
Citral	-	-	8.64%	3.87%	-
$\alpha$ -Funebrene	-	-	8.60%	10.66%	-
$\alpha$ -Himachalene	-	-	3.01%	9.24%	-
Sulcatone	-	-	9.08%	4.65%	-
Zingerone	-	-	2.85%	ND	-
[6]-Gingerone	-	-	0.29%	0.64%	-
[6]-Shogaol	-	-	0.00%	0.93%	-