

Turkish/Damascene/Damask rose (*Rosa × damascena*)

Study	Babu 2002	Babu 2002	Babu 2002	Babu 2002	Valla et al 2022	Valla et al 2022	Valla et al 2022
Extraction Method	Solvent extraction (DCM) at higher pressure	Hydro-distillation at higher pressure	Solvent extraction (DCM) at atmospheric pressure	Hydro-distillation at Atmospheric pressure	Microwave Hydro-diffusion and Gravity	Solvent - Free Microwave Extraction	Steam distillation
Plant Part	Flowers of <i>Rosa x damascena</i>	Flowers of <i>Rosa x damascena</i>	Flowers of <i>Rosa x damascena</i>	Flowers of <i>Rosa x damascena</i>	Flowers of <i>Rosa x damascena</i>	Flowers of <i>Rosa x damascena</i>	Flowers of <i>Rosa x damascena</i>
Origin	Palampur, Himachal Pradesh, India	Palampur, Himachal Pradesh, India	Palampur, Himachal Pradesh, India	Palampur, Himachal Pradesh, India	Ronco Scrivia, Genoa, Italy	Ronco Scrivia, Genoa, Italy	Ronco Scrivia, Genoa, Italy
2-phenylethyl alcohol	55.16	5.41	63.12	2.49	59.61 ± 0.5	45.50 ± 0.6	25.58 ± 0.7
geraniol	12.23	31.09	8.56	21.3	16.70 ± 0.4	2.54 ± 0.4	8.48 ± 0.5
linalool	7.93	10.98	6.62	23.04	0.45 ± 0.4	ND	4.62 ± 0.4
eugenol	3.47	4.2	3.52	2.79	0.38 ± 0.4	ND	0.12 ± 0.4
citronellol	13.02	32.4	11.05	34.89	14.41 ± 0.3	2.53 ± 0.3	40.58 ± 0.9
α-terpineol	2.79	6.37	2.63	9.2	0.25 ± 0.2	0.12 ± 0.5	1.23 ± 0.5
nonadecane	tr	1.07	tr	—	1.67 ± 0.2	2.23 ± 0.5	5.26 ± 0.6
α-pinene	0.37	0.1	tr	—	ND	ND	0.28 ± 0.7
β-pinene	—	tr	tr	0.17	0.26 ± 0.2	0.02 ± 0.4	0.50 + 0.7
myrcene	—	tr	tr	tr	0.03 ± 0.2	0.51 + 0.2	0.24 + 0.5
nonadecane	tr	1.07	tr	—	1.67 ± 0.2	2.23 ± 0.5	5.26 ± 0.6
terpinen-4-ol	0.31	0.71	0.24	0.77	—	—	—
cis-rose oxide	tr	0.18	tr	0.28	—	—	—
heptadecane	0.51	0.48	tr	1.87	—	—	—
n-heneicosane	—	—	—	—	0.49 ± 0.3	1.04 ± 0.3	4.94 ± 0.6
tricosane	—	—	—	—	0.22 ± 0.2	0.25 ± 0.2	0.43 ± 0.5
caryophyllene oxide	—	—	—	—	—	11.66 ± 0.7	—