

Natural Touch Aromatherapy

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PURITY ANALYSIS CERTIFICATE ROSE (TURKISH, OTTO)

BOTANICAL CLASSIFICATION *Rosa damascena* is a species of the Rosaceae family. Also known as Bulgarian rose, damask rose or otto of rose. Rose otto is the pure essential oil yielded by the rose petals during steam distillation.

GENERAL DESCRIPTION A prickly perennial shrub with pink, fragrant rose blooms with 36 petals. The essential oil is a pale yellow liquid with a rich, deep, sweet-floral, slightly spicy-rose scent. (The genuine oil crystallises at sub-room temperatures. Small bottles can be quickly warmed in the hand to regain full liquidity).

ORIGIN The roses are grown and distilled in south central Turkey. The essential oil is made solely from freshly picked rose petals. (It takes 3 tonnes of petals to make 1kg of pure oil - equivalent to 1000 petals per drop). The rose petals are steam distilled within 12 hours of being picked.

GAS LIQUID CHROMATOGRAM Key components of Natural Touch's essential oil type, as indicated by GLC, are compared to classic profiles below. Pure Turkish rose otto contains mainly citronellol (up to 50%), nerol (circa 8%) and geraniol (around 15%). Other constituents, which number over 150, are present in very small percentages, but are important fragrance modifiers. Turkish rose ottos have more spicy but stronger rose aromas than Moroccan and French "Rosa centifolia" type ottos. The compositions of the two types also differ significantly. Damask ottos have much higher citronellol and much lower phenylethyl alcohol percentages.

COMPONENT	NATURAL TOUCH(%)	CLASSIC(%)
Citronellol	42.7	30 - 50
Geraniol	15.1	15
Nerol	7.9	3 - 8
Phenylethyl alcohol	4.5	1 - 3
Nonadecane	5.4	5 - 10
Farnesol	<1	< 5

- GLC analysis carried out at the Scottish Agricultural College, Auchincruive.
- Official Stamp: