



Certificate of Analysis

Product	Rose Otto Oil
Botanical name:	Rosa damascena P. Miller
Part of plant used:	Blossoms
Country of origin:	Bulgaria
Method of manufacture:	Rose oil is obtained from the flowers of the oil-bearing rose (Rosa damascena) through water - steam distillation.
Description:	Oily transparent liquid or heterogeneous mass below 22°C.
Appearance:	Liquid
Colour:	Yellow
Aroma:	Warm, floral, specifically dense, fine, with faint peppery and honey notes, specific for the Bulgarian attar of roses.

Physicochemical indices:

Relative density, $d_{30/30}$	from 0.8480 to 0.8610
Refraction number, $n_{25/D}$	from 1.4530 to 1.4640
Angle of rotation of polarization plane, $\alpha_{20/D}$, centigrade	from -2.0 to -5.0
Freezing point, °C	from 17.0 to 22.0
Acid value, mg KOH/g	not more than 4.0
Ester number:	7.0 - 17.5

Ester value, mg KOH/g	from 7.0 to 17.5
Ester value after acetylation, mg KOH/g	from 202.5 to 245.9

Content of characteristic ingredients, %

citronellol	from 20.9 to 37.0
nerol	from 6.0 to 12.0
geraniol	from 14.0 to 27.0