
	<b>GERANIUM ESSENTIAL OIL , BOURBON TYPE, CONVENTIONAL SPECIFICATION</b>	<b>Section:</b> All sections <b>Issue:</b> A
	Document No: FO-QCD-EO-SP-7.1	<b>Version:</b> 4.0
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Common name:	Geranium essential oil, bourbon type, conventional
Botanical name:	<i>Pelargonium graveolens</i> / <i>Pelargonium asperum</i>
European INCI name:	<i>Pelargonium graveolens</i> oil / <i>Pelargonium asperum</i> oil
CAS n°:	90082-51-2
EC n°:	290-140-0
REACH registration n°:	01-2120769423-50-0023
FEMA n°:	2508
CoE n°:	324n
Grade:	Pure & natural
Part of the plant:	Leaves
Description:	Essential oil obtained through distillation of the leaves of <i>Pelargonium graveolens</i> / <i>Pelargonium asperum</i> .
Shelf life:	36 months
Storage conditions:	Store full containers, covered with inert gas, tightly closed in a cool, dry and well ventilated place protected from light and air. Original containers are only suitable for storage if package integrity has not been compromised.

Physical characteristics & tests	
Physical state	Limpid liquid
Colour	Clear green to amber
Odour	Characteristic, tangy
Relative density (20°C)	0.885 – 0.897
Refractive index (20°C)	1.460 – 1.471
Optical rotation (20°C)	-17° to -9°

Chemical parameters *	
Trans rose oxide	1.0 – 4.0 %
Menthone	≤ 3.0 %
Isomenthone	3.5 – 13.0 %
Linalool	1.0 – 10.0 %
6,9-Guaiadiene	≤ 14.0%
Citronellyl Formate	2.0 – 14.0 %

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<b>Chemical parameters *</b>	
Geranyl Formate	1.0 – 8.0 %
Beta-citronellol	18.0 – 43.0 %
Geraniol	5.0 – 24.0 %
Citronellyl butyrate	≤ 2.0
Citronellyl propionate	≤ 2.0
Geranyl Tiglate	≤ 4.0
Germacrene D	≤ 4.0

\*based on results obtained by GC/MS analysis