Joh. Vögele KG
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74348 Lauffen

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CERTIFICATE OF ANALYSIS

PRODUCT

Trade Name	: FENNEL OIL
Product No.	: 0000 2102
Product status	: PURE NATURAL
Synonym	: Oleum foeniculi
Pharmacopoeia	:
Lot No	: 2016453824

1.00 Characteristics

1.01 Color	: Yellowish
1.02 Odour	: Characteristic
1.03 Taste	:
1.04 Consitency	: Clear, liquid

2.00 Purity

2.01 Solubility in Alcohol %vol	: With Alcohol vol 96% miscible
2.02 Solubility in Alcohol %vol	: L26: 1 : 10 v/v opalescence
2.03 Miscible with	:
2.04 Relative density 20°C	: 0,975 – 0,984
2.05 Refractive index	: 1,539 – 1,548
2.06 Optical rotation	: +6° - +7°
2.07 Acid value	: Max. 1
2.08 Ph value	:
2.09 Alkaline and acid impurities	:
2.10 Ester value	:
2.11 % Esters	:
2.12 Saponification value	:
2.13 Different esters	:
2.14 Ophers 1	:
2.15 Ophers 2	:
2.16 Ophers 3	:
2.17 Resinifined Esssential oils	: Typical
2.18 Date of manufacture	: 12.01.2016
2.19 Retesdate	: 12.01.2018
2.20 Best before ex date of delivery	: 24 months
2.21 Storage	: Avoid of light, air and heat

3.00 Identity

3.01 CAS No	: 8006-84-6
3.02 Botanical name	:
3.03 INCI name	: Foeniculum dulce
3.04 EINECS no.	: 282-892-3
3.05 Origin	: France
3.06 Chromatographic profile	:
3.07 Identity	: Typical

Lauffen, den 23.01.2016

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