

CERTIFICATE OF ANALYSIS

**PRODUCT**

Trade Name : Geranium Oil

Product No. : 9409 1024  
Product status : PURE NATURAL  
Synonym : Oleum geranii  
Synonym :  
Pharmacopoeia :  
Lot No : 2016876900

**1.00 Characteristics**

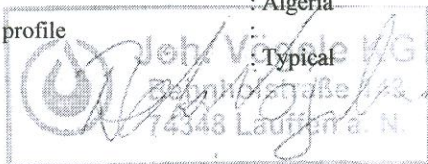
1.01 Color : Greenish to yellowish  
1.02 Odour : Characteristic  
1.03 Taste :  
1.04 Consistency : Clear, liquid

**2.00 Purity**

2.01 Solubility in Alcohol %vol :  
2.02 Solubility in Alcohol %vol : L96: 1:10 v/v clearly soluble  
2.03 Miscible with : Alcohol 96%  
2.04 Relative density 20°C : 0,901 – 0,910  
2.05 Refractive index : 1,466 – 1,472  
2.06 Optical rotation : 1  
2.07 Acid value : max. 6  
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 Essential oils : Typical  
2.18 Solidification point :  
2.19 Best before ex date of delivery : 24 months  
2.20 Storage : Avoid of light, air and heat

**3.00 Identity**

3.01 CAS No : 90082-51-2  
3.02 Botanical name : Pelargonium  
3.03 INCI name :  
3.04 EINECS no. : 290-140-0  
3.05 Origin : Algeria  
3.06 Chromatographic profile :  
3.07 Identity : Typical



Lauffen, den 29.09.2016

Joh. Vögele KG - 74348 Lauffen – computerprint without signature