Certificate of Analysis

Manufacturer: **Lecheq Farm and Distillery LLC**   Customer:

Product Name	ROSE OIL
INCI Name	Rosa Damascena Flower Oil
CAS no	90106-38-0
EINECS no	290-260-3
Manufacturing	Steam distilled
Batch no	

Characteristics

Appearance	Clear, Liquid
Odour	Characteristic

Analytical Details	*Result*	*Unit*	*Method*
Density at 20^0 C	0,866	g/cm^3	İnhouse Method
Refractive Index at 20^0 C	1,462	-	Refraktometric

Solubility   Soluble in alcohol

Storage	closed containers, protected from light, 20-25^0 C
Best Before	24 months
Date of Manufacture	2021

Others

Contains GMO in accordance to regulation (EC) 1829/2003 and is labelled in accordance to Regulation (EC) 1830/2000	No
Not tested on animals	Yes

GCMS Composition

Chromatographic profiling with method AMD/688/V2. Detection of substances via Gas Chromatography with Flame Ionisation Detector (FID) and quantification via normalisation procedure.
The results are shown in table 1 in the appendix. The chromatogram of the sample is shown in figure 1.
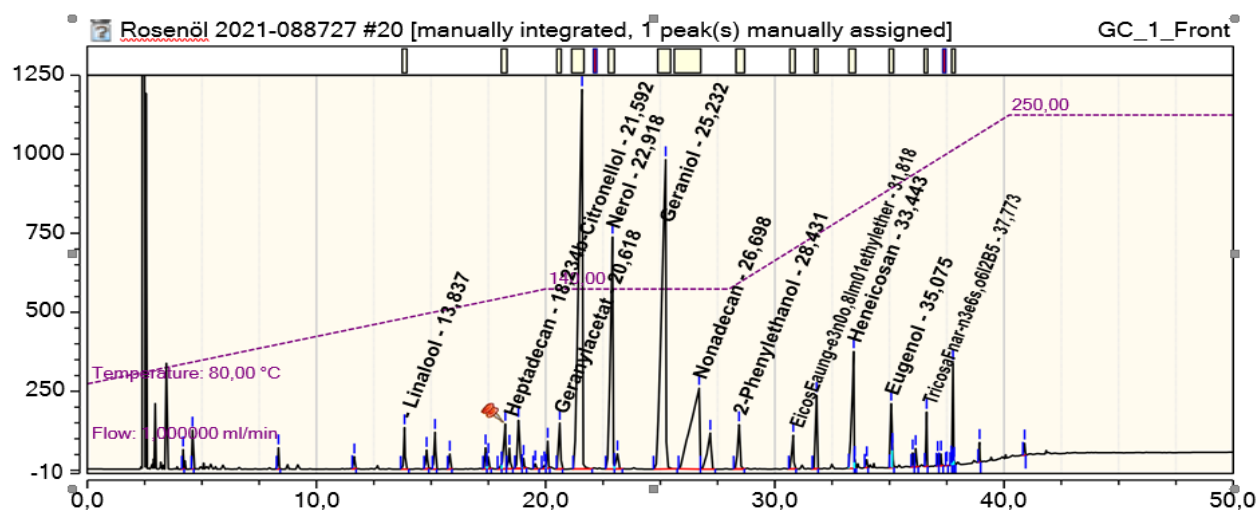
This document is generated by computer and consequently not signed

Table 1

No.	Ret.Time	Peak Name	Height	Area	Rel.Area
	min		pA	pA*min	%
1	13,837	- Linalool	131,625	7,518	0,85
2	18,234	Heptadecan	141,793	13,218	1,49
3	20,618	Geranylacetat	145,082	13,169	1,49
4	21,592	b-Citronellol	1200,439	221,459	24,99
5	22,215	α-Damascone	Not detected	Not detected	<0,02
6	22,918	Nerol	733,853	95,536	10,78
7	25,232	Geraniol	978,704	209,107	23,59
8	26,698	Nonadecan	256,083	110,364	12,45
9	28,431	2-Phenylethanol	139,967	16,141	1,82
10	30,801	Eicosan	106,414	9,032	1,02
11	31,818	Eugenolmethylether	231,777	13,718	1,55
12	33,443	Heneicosan	369,765	39,480	4,45
13	35,075	Eugenol	202,039	9,117	1,03
14	36,625	Tricosan	171,886	8,366	0,94
15	37,773	Farnesol B	322,629	11,787	1,33
Total (n-Paraffine)		Heptadecan, Nonadecan, Eicosan, Heneicosan, Tricosan			20,35

Figure 1

This document is generated by computer and consequently not signed

Issue Date: 15 Avq 2023