NHR ORGANIC OILS
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Certificate of Analysis & Gas Chromatography
Organic Rose Geranium Essential Oil
(Pelargonium graveolens)

PRODUCT NAME: ROSE GERANIUM ESSENTIAL OIL ORGANIC
BATCH NUMBER: 160726-1
ORIGIN: MADAGASCAR
PRODUCT INCI: PELARGONIUM GRAVEOLENS FLOWER OIL
CAS NUMBER: 90082-51-2 / 8000-46-2
EINECS NUMBER: 290-140-0

ANALYTICAL DETAILS	RANGE	
APPEARANCE	LIQUID	COMPLIES
COLOUR	LIGHT GREEN -AMBER YELLOW	COMPLIES
ODOUR	CHARACTERISTIC –SWEET, ROSY, MINTY	COMPLIES
SPECIFIC GRAVITY @20°C	0.860 – 0.905	0.896
REFRACTIVE INDEX @20°C	1.461 – 1.475	1.467
OPTICAL ROTATION (°C)	-16.0 TO 0.0	-11.26

	Components	%	*Allergen %*
1	α-Pinene	0.46	
2	Myrecene	0.25	
3	Limonene	0.18	0.18
4	Linalool	4.06	4.06
5	Rose oxide (Z)	1.26	
6	Rose oxide (E)	0.51	
7	Menthone	1.26	
8	Isomenthone	6.12	
9	α- terpineol	0.14	
10	Citronellol	32.77	32.77
11	Neral *	0.60	0.60
12	Geraniol	14.00	14.00
13	Geranial *	0.53	0.53

	Components	%	*Allergen %*
14	Citronellyl formate	8.08	
15	Geranyl formate	2.84	
16	Citronellyl acetate	0.52	
17	α-Copaene	0.57	
18	Geranyl acetate	0.42	
19	Guaia-6, 9-diene	0.37	
20	Germacrene D	0.72	
21	γ-Cadinene	1.83	
22	Geranyl butyrate	0.97	
23	Phenyl ethyl tiglate	1.10	
24	10-Epi-γ-eudesmol	5.14	
25	Geranyl tiglate	1.21	

STORAGE CONDITIONS
STORE IN A COOL DRY PLACE AWAY FROM HEAT &SUNLIGHT

The attached information is considered to be correct at the time the client received this information.
Please be aware that detail can change and we encourage clients to update their records with NHR Organic Oils regularly.
The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations.

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