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

Batch number: 291025-6 Origin: Egypt

Conditions opératoires de l'analyse

- Colonne : Elite 5MS 60 m x 0.18 mm x18 µm
- Dilution : 1 % dans l'hexane
- Injection : 1 µl. Split 60

Programmation en T°

Rampe	Vitesse (°C/min)	T °C	Durée (min)
Initial	-	65	0
1	30.0	135	3
2	3.0	210	0
3	30.0	290	6.57

Composant	CAS N°	TR (min)	Teneur (%)	Allerg. cosm.
α-Thujene	2867-05-2	5,591	0,320	
Sulcatone	110-93-0	5,861	0,067	
β-Myrcene	123-35-3	5,928	0,652	
1,5-Heptadiene, 3,3,5-trimethyl-	74630-29-8	6,003	0,177	
α-Phellandrene	99-83-2	6,240	0,065	
β-Thujene	28634-89-1	6,380	0,046	
(+)-p-Menth-1-ene	1195-31-9	6,441	0,333	
D-Limonene	5989-27-5	6,491	0,179	Oui
β-cis-Ocimene	3338-55-4	6,524	0,355	
(Z)-Linalol oxide	5989-33-3	6,957	0,200	
(E)-Linalol oxide	34995-77-2	7,160	0,072	
Linalol	**78-70-6**	**7,222**	**4,504**	Oui
(Z)-Rose oxide	**3033-23-6**	**7,432**	**1,252**	
Allo-Ocimene	673-84-7	7,616	0,148	
(E)-Rose oxide	876-18-6	7,716	0,547	
Citronellal	106-23-0	7,996	0,161	
Isopregol	7786-67-6	8,207	0,226	
L-Menthone	**14073-97-3**	**8,325**	**3,096**	
Farnesol isomer A	108-92-4 (NIST)	8,420	0,080	
Isomenthone	**491-07-6**	**8,513**	**4,164**	
Menthol	89-78-1	8,911	0,171	Oui
α-Terpineol	98-55-5	8,980	0,257	Oui

Citronellol	**106-23-0**	**9,419**	**35,322**	
Neral	106-26-3	9,697	0,110	Oui
Geraniol	**106-24-1**	**9,920**	**11,601**	Oui
Citronellyl formate	**105-85-1**	**10,330**	**8,344**	
Geranyl formate	**2345-26-8**	**10,898**	**2,572**	
Citronellol acetate	150-84-5	11,998	0,032	
α-Cubebene	17699-14-8	12,519	0,206	
Lavandulyl acetate	25905-14-0	12,851	0,307	
Ylangene	14912-44-8	13,268	0,174	
Copaene	3856-25-5	13,446	0,708	
(-)-β-Bourbonene	**5208-59-3**	**13,759**	**1,253**	
Citronellyl propionate	141-14-0	14,683	0,486	
β-Ylangene	20479-06-5	14,751	0,449	
β-Caryophyllene	**87-44-5**	**14,881**	**1,342**	Oui
(+)-Epi-Bicyclosesquiphellandrene	54274-73-4	15,107	0,259	
Dihydrocurcumene	1461-02-5	15,200	0,045	
Isoledene	36577-33-0	15,343	0,344	
Alloaromadendrene	25246-27-9	15,443	0,219	
Geranyl isovalerate	109-20-6	15,597	0,721	
γ-Muurolene	30021-74-0	15,665	0,470	
ε-Muurolene	30021-46-6	15,811	0,293	
Humulene	6753-98-6	15,972	0,392	
β-Gurjunene	17334-55-3	16,135	0,218	
γ-Cadinene	39029-41-9	16,390	0,356	
α-Muurolene	483-75-0	16,541	0,162	
γ-Selinene	515-17-3	16,825	0,934	
Valencene	515-17-3	17,049	0,640	
Germacrene D	23986-74-5	17,410	0,248	
δ-Cadinene	483-76-1	17,700	0,296	
Citronellyl butyrate	**141-16-2**	**17,773**	**1,458**	
Calamenene	483-77-2	17,934	0,420	
Epizonarene	41702-63-0	17,993	0,239	
β-Patchoulene	514-51-2	18,336	0,415	
Geranyl butyrate	106-29-6	18,508	0,834	
α-Calacorene	21391-99-1	18,643	0,146	
Citronellyl valerate	7540-53-6	20,834	0,123	
2-Ethyl tiglate	**55719-85-2**	**21,733**	**3,744**	
Citronellyl tiglate	24717-85-9	22,339	0,349	
Guaiyl acetate	134-28-1	22,675	0,197	
Rosifoliol	63891-61-2	22,789	0,155	
			93,66 %	