



NHR ORGANIC OILS  
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## Certificate of Analysis & Gas Chromatography

### Organic Neroli Essential Oil

(*Citrus aurantium var amara*)

ANALYSE GC/SM  
Batch number : 111024-3  
Origin : Egypt

#### Conditions d'analyse :

- Colonne : Elite 5MS 60 m x 0.18 mm x 18 µm
- Dilution : 1 % dans l'hexane
- Injection : 1 µl. Split 60

Rampe	Rate (°C/min)	T °C	Duration (min)
Initial	-	65	0
1	30.0	135	3
2	3.0	210	0
3	30.0	290	4.57

#### Programmation en température

### Résultats combines GC-FID/SM

Composant	CAS N°	TR (min)	Teneur (%)	Allergènes cosmétiques
α-Thujene	2867-05-2	5.437	0.014	
α-Pinene	80-56-8	5.555	0.309	Oui
Camphene	79-92-5	5.740	0.018	
2-Methyl-2-hepten-6-one	110-93-0	5.830	0.016	
<b>β-Myrcene</b>	<b>123-35-3</b>	<b>5.897</b>	<b>2.350</b>	
<b>β-Pinene</b>	<b>127-91-3</b>	<b>6.002</b>	<b>4.249</b>	Oui
α-Terpinene	99-86-5	6.309	0.034	Oui
(E)-Beta Ocimene	3779-61-1	6.357	0.770	
<b>D-Limonene</b>	<b>5989-27-5</b>	<b>6.476</b>	<b>13.713</b>	Oui
γ-Terpinene	99-85-4	6.756	0.081	
Cis-Linalool oxide	589-33-3	6.919	0.161	
<b>Linalol</b>	<b>78-70-6</b>	<b>7.293</b>	<b>50.538</b>	Oui
Linalyl isobutyrate	78-35-3	7.362	0.177	
Neo-allo-ocimene	7216-56-0	7.589	0.056	
Allo-Ocimene	673-84-7	8.024	0.026	

Terpinen-4-ol	562-74-3	8.709	0.183	
<b><math>\alpha</math>-Terpineol</b>	<b>98-55-5</b>	<b>8.969</b>	<b>5.533</b>	Oui
<b>Nerol</b>	<b>106-25-2</b>	<b>9.318</b>	<b>1.196</b>	
<b>Linalyl acetate</b>	<b>115-95-7</b>	<b>9.733</b>	<b>8.988</b>	Oui
<b>Geraniol</b>	<b>106-24-1</b>	<b>9.808</b>	<b>3.210</b>	Oui
2-Phenylethyl isobutyrate	103-48-0	9.975	0.069	
<b>Neryl acetate</b>	<b>141-12-8</b>	<b>12.267</b>	<b>1.676</b>	
<b>Geranyl acetate</b>	<b>105-87-3</b>	<b>12.813</b>	<b>3.005</b>	Oui
$\beta$ -Caryophyllene	87-44-5	14.783	0.535	Oui
Humulene	6753-98-6	15.865	0.050	
(Z)-Muurolo-4(15),5-diene	157477-72-0	16.624	0.038	
$\gamma$ -Elemene	29873-99-2	17.101	0.146	
<b>Nerolidol</b>	<b>142-50-7</b>	<b>18.771</b>	<b>1.331</b>	
Farnesol	4602-84-0	24.274	0.720	Oui
			<b>99.19 %</b>	