



**Trillia Health & Beauty Biological Technology Co., Ltd.**  
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## CERTIFICATE OF ANALYSIS

Name: Rose oil  
Product Number: TRROSDA008EL  
Plant / animal latin name: Rosa damascena  
Lot Number: 2154  
Produced: 2021  
Date of analysis: 10.15.2021  
Retest: 10.15.2024

Method: 181010 Rosa damascene

System: Agilent GC(6850)/MS(5973)

Column: HP-5MS (30 m × 0.25 mm ID × 0.25 μm Thick, HP)

Concentration: 250 ppm

Injection volume: 1 μL

Temperature of injection port: 250°C

Heating conditions:

Time(min)	Temp. °C
0	50
42.5	220
44.5	220
46.0	250
49.0	250

Temperature of pipe: 250°C

Temperature of ion source: 230°C

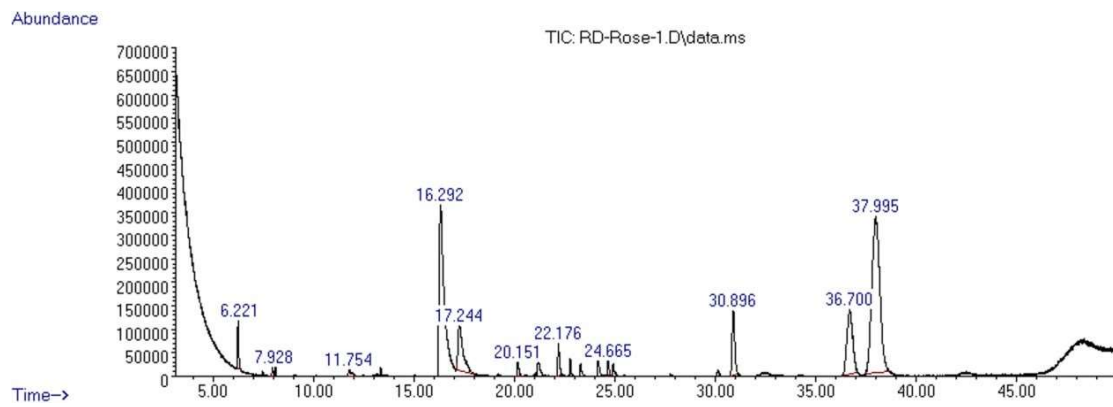
Temperature of Quadrupole: 180°C

This data sheet was issued to the best of our knowledge with information sourced from literature, suppliers and independent laboratories. This data is supplied without warranty for its correctness or accuracy.



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## Gas chromatogram



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Peak #	Compound	Retention time	KI	rKI	Relative area	Identification
1	$\alpha$ -Pinene	6.221	937	939	1.537	KI, MS
2	Sabinene	7.451	979	975	0.149	KI, MS
3	$\beta$ -Myrcene	7.928	994	990	0.292	KI, MS
4	Linalool	11.754	1111	1097	0.578	KI, MS
5	Citronellol	16.292	1245	1226	24.647	KI, MS
6	Geraniol	17.244	1273	1253	10.367	KI, MS
7	Citronellyl acetate	20.151	1360	1353	0.778	KI, MS
8	Geranyl acetate	21.170	1390	1381	1.109	KI, MS
9	Nerol	30.673	1750	1730	3.605	KI, MS
10	<i>E</i> -Caryophyllene	22.176	1422	1419	1.812	KI, MS
11	$\alpha$ -Guaiene	22.761	1441	1440	0.727	KI, MS
12	$\alpha$ -Humulene	23.281	1457	1455	0.624	KI, MS
13	$\gamma$ -Muuroolene	24.162	1484	1480	1.029	KI, MS
14	Pentadecane	24.665	1499	1500	0.764	KI, MS
15	$\alpha$ -Bulnesene	24.909	1508	1510	0.600	KI, MS
16	Others	30.131	1676	-	0.296	KI, MS
17	n-Heptadecane	30.896	1700	1700	5.537	KI, MS
18	n-Hexadecanol	36.700	1869	1876	11.879	KI, MS
19	n-Nonadecane	37.995	1903	1900	23.964	KI, MS
20	Heneicosan C21	35.605	1780	1756	9.706	KI, MS

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