



Suleyman Demirel University

Natural Product Application and Research Center



Report Number **2511033**
Report Date **20.11.2025**

PRIVATE REQUEST ANALYSIS REPORT

Purpose of Analysis Rose Water Content Analysis with GC-MS
Request Submitted By ROSİSTANBUL KOZMETİK KİMYA SAN. VE DİŐ TİC. LTD. ŐTİ.
Date the sample was taken 18.11.2025
Date of the experiment 19.11.2025
Name and identity of test item Rosistanbul Rose Water

TEST RESULTS

No	Detected Active Substance	% Quantity	Measurement Limit	Unit	Analysis Method
1	Benzyl alcohol	0.92	0.01%	% (Peak rate)	GC-MS
2	4,7-Dimethyl undecane	0.22	0.01%	% (Peak rate)	GC-MS
3	m-Cymene	0.24	0.01%	% (Peak rate)	GC-MS
4	p-Cymene	0.25	0.01%	% (Peak rate)	GC-MS
5	Linalool	2.75	0.01%	% (Peak rate)	GC-MS
6	Fenil etil alkol	50.90	0.01%	% (Peak rate)	GC-MS
7	Azulene	0.32	0.01%	% (Peak rate)	GC-MS
8	4-Terpineol	0.22	0.01%	% (Peak rate)	GC-MS
9	α -Fenchyl alcohol	1.88	0.01%	% (Peak rate)	GC-MS
10	1-Dodecene	2.36	0.01%	% (Peak rate)	GC-MS
11	n-Dodecane	0.36	0.01%	% (Peak rate)	GC-MS
12	Nerol	1.25	0.01%	% (Peak rate)	GC-MS
13	α -Citronellol	15.55	0.01%	% (Peak rate)	GC-MS
14	Z-Citral	0.13	0.01%	% (Peak rate)	GC-MS
15	Phenylethyl acetate	0.32	0.01%	% (Peak rate)	GC-MS
16	Geraniol	5.16	0.01%	% (Peak rate)	GC-MS
17	E-Citral	0.09	0.01%	% (Peak rate)	GC-MS
18	n-Tetradecane	0.14	0.01%	% (Peak rate)	GC-MS
19	Eugenol	0.70	0.01%	% (Peak rate)	GC-MS
20	Citronellyl acetate	0.57	0.01%	% (Peak rate)	GC-MS
21	1-Tetradecene	3.45	0.01%	% (Peak rate)	GC-MS
22	n-Pentadecane	0.57	0.01%	% (Peak rate)	GC-MS
23	Methyleugenol	0.37	0.01%	% (Peak rate)	GC-MS
24	Dihydro- α -ionol	0.42	0.01%	% (Peak rate)	GC-MS
25	1-Hexadecene	2.01	0.01%	% (Peak rate)	GC-MS
26	1-Heptadecene	2.36	0.01%	% (Peak rate)	GC-MS
27	n-Heptadecene	1.09	0.01%	% (Peak rate)	GC-MS
28	1-Nonadecene	0.52	0.01%	% (Peak rate)	GC-MS
29	n-Nonadecane	1.53	0.01%	% (Peak rate)	GC-MS
30	n-Eicosane	0.57	0.01%	% (Peak rate)	GC-MS
31	n-Heneicosane	1.49	0.01%	% (Peak rate)	GC-MS
32	Other Compounds	1.31	0.01%	% (Peak rate)	GC-MS
Total		100.00			

Amount of Volatile Compounds Detected in Rose Water Sample = 1.167 g/L (in 1 liter of rose water)

"According to the volatile component analysis, 1,2-Pentanediol compound was also detected in addition to the compounds listed above and was ignored in the calculation."

As a result of the examination and analysis, the above-mentioned values were determined.

NOTE 1 : This analysis report cannot be used in judicial-administrative procedures and for advertising purposes.

NOTE 2 : No part of this analysis report can be used alone or separately.

NOTE 3 : The results of the analysis are valid for the sample mentioned above.

NOTE 4 : Our reports cannot be reproduced and published without our permission. Unsigned reports are invalid.

Head of Sample Acceptance and Reporting
Academician Osman BODUR

Laboratory Manager
Academician Taner ERKAYMAZ