GC-MS Analysis Report
No.H260005

HIQILI®

Jinyunli (Guangdong) Biotechnology Laboratory *Printed:JUL 23, 2026*

Basic Information

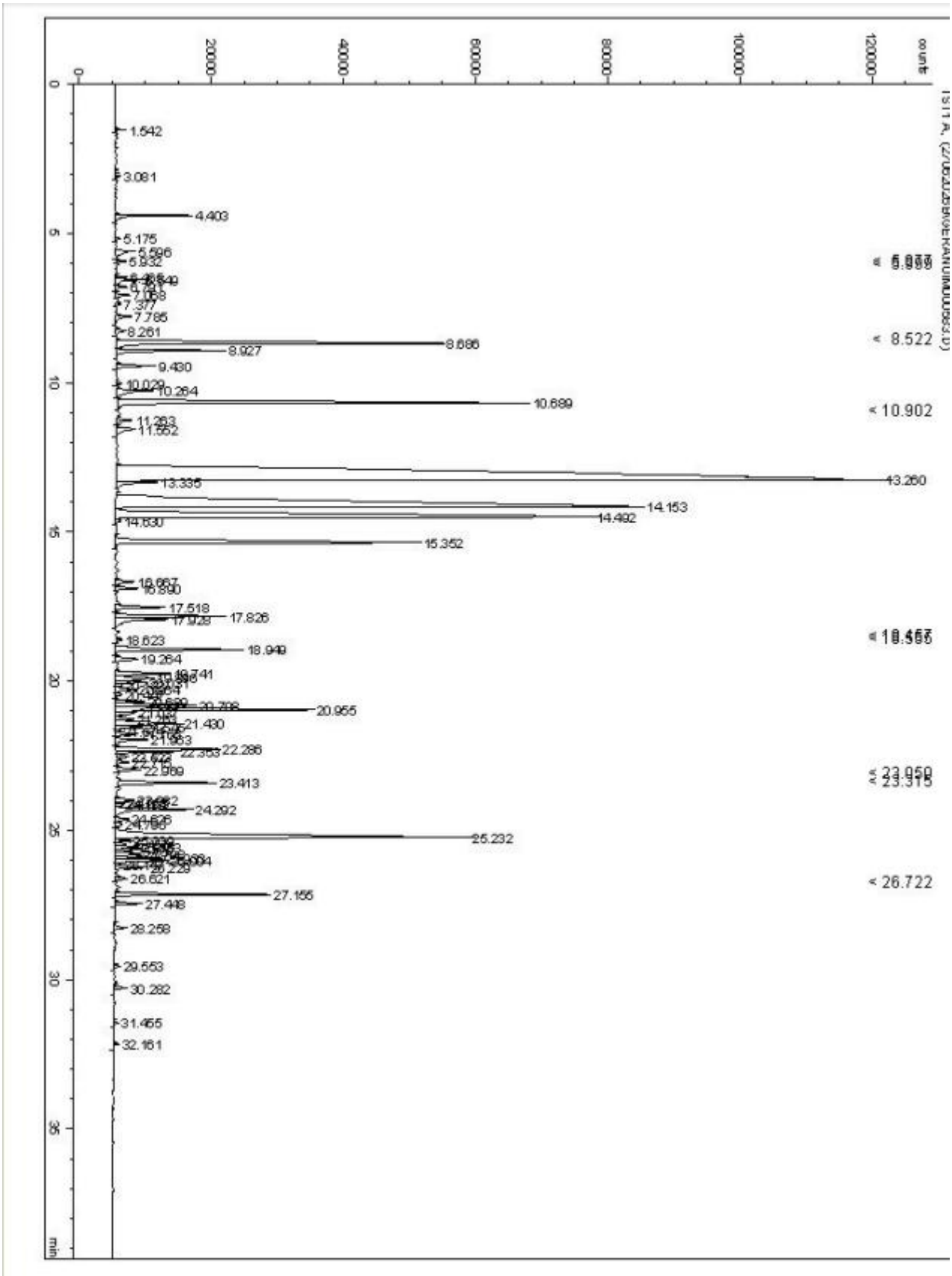
Sample Name：**Organic Geranium Essential Oil**
Lot No：**QC09360505**
Brand：HIQILI
Origin：**Egypt**
Extraction Process：**Steam Distillation**
Test Equipment：Gas Chromatography-Mass Spectrometer (GC-MS)
Test Standard：**ISO 4731:2012 International Standard for Geranium Oil**
Test Date：July 23, 2026
Test Institution： Jinyunli (Guangdong) Biotechnology Laboratory

Quantitative Analysis of Main Volatile Compounds

Compliant with ISO 4731:2012 specification for Geranium oil, Unit: mass percentage %

No.	Name of characteristics	CAS NO.	Mass percentage/%	Technical indicators
1	Citronellol	106-22-9	31.4	20.0~40.0
2	Geraniol	106-24-1	14.4	10.0~25.0
3	Isomenthone	491-07-6	5.8	4.0~8.0
4	Citronellyl formate	105-85-1	8.6	5.0~12.0
5	Geranyl formate	105-86-2	3.7	2.0~8.0
6	Linalool	78-70-6	4.3	0.5~4.0
7	β-Caryophyllene	87-44-5	3.2	1.0~6.0
8	Menthone	89-80-5	0.5	0.5~3.0
9	α-Pinene	80-56-8	0.3	0.1~1.0
10	Limonene	5989-27-5	0.8	0.2~2.0
11	Geranial	141-27-5	0.2	0.1~1.5
12	Neral	106-26-3	0.1	0.1~1.5

Test Chart:


1.542
3.081
4.403
5.175
7.377
7.785
8.261
8.666
8.927
9.430
10.264
10.689
13.335
13.260
14.153
14.492
14.630
15.352
17.518
17.826
18.623
18.949
19.264
20.955
21.430
22.286
22.969
23.413
24.292
25.232
26.621
27.155
27.448
28.258
29.553
30.282
31.455
32.161
< 8.522
< 10.902
< 23.315
< 26.722
min

Spectrum Qualitative Conclusion

All characteristic compound contents of submitted Geranium oil fully meet requirements of ISO 4731:2012 Geranium Oil. The sample is pure natural steam-distilled Geranium essential oil without adulteration or synthetic additives, compliant with export specifications for cosmetic, aromatherapy and daily chemical raw materials.