

	INB/SERV/0001	Issue: 2	Effective date: 15.07.2020
	GC-MS TEST REPORT		
	Lab Ref. No: UKM-INBIO-2021-NA-0093-0100		

GC-MS SUMMARY REPORT

Customer information

Name and address : GRITZ essential oil
 No 7-1, Jalan Reko Sentral 4,
 Reko Sentral,
 43000 Kajang, Selangor.

Operator : Syahmi Afiq Mustaza

Sample and Report ID : UKM-INBIO-2021-NA-0093-0100

No	Sample		Please tick (/) types of analysis					Lab Ref. No. (UKM-INBIO-201_- NA/A-XXXX)
	Name	Description	PRODER	PRO	TAR	SPME/HS	INBIO	
1	blank_gritz	Essential oil		/				UKM-INBIO-2021-NA-0093
2	clarysage_gritz	Essential oil		/				UKM-INBIO-2021-NA-0094
3	jasmine_gritz	Essential oil		/				UKM-INBIO-2021-NA-0095
4	peppermint_gritz	Essential oil		/				UKM-INBIO-2021-NA-0096
5	lemon_gritz	Essential oil		/				UKM-INBIO-2021-NA-0097
6	7wonder_gritz	Essential oil		/				UKM-INBIO-2021-NA-0098
7	lavender_gritz	Essential oil		/				UKM-INBIO-2021-NA-0099
8	relivz_gritz	Essential oil		/				UKM-INBIO-2021-NA-0100

Date of sample received : 7/13/2021
 Date of sample analyzed : 7/16/2021
 Date of report generated : 7/26/2021
 Total of sample : 8

CODE	
PRODER	Profiling without derivatization
Parameter	Setting (GC-MS Perkin Elmer Clarus 600)
Sample volume	1 mL
Injection volume	1 µL
Column	Elite-5MS Capillary column: Length:30 m, I.D: 0.25 mm, Film Thickness: 0.25 µm, Temperature Limits: 70 to 325/350°C

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	Phase Reference: 5% diphenyl 95% dimethyl polysiloxane (low bleed)
Derivatization	-
Oven temperature program	Initial temp 40°C for 3 min, ramp 8°C/min to 60°C, hold 3 min, ramp 5°C/min to 70°C, hold 3 min, ramp 4°C/min to 230°C, hold 1 min
Total run	55 min
Solvent delay	5 min
MS scan	35 - 450 amu
Carrier gas	Helium
Flow	1.0 mL/min

Results information

Reviewer : Kamalrul Azlan Azizan

Unit measurement : NO (QUALITATIVE)

Summary of results :

A total of 1µL of essential oil was injected into the GC-MS system respectively. Hexane was used as solvent to dilute each essential oil and as blank sample. The detected compounds according to tested essential oil is listed as below. Compounds with the highest area percentage (%) is highlighted in red colour. No additives such carbitol, mineral oil or diethyl phthalate were detected in all samples.