

## Test Report

Sample Name SFTY-2504-001  
Product Form Oil  
Physical Characteristics Viscous liquid  
Sample Received Date April 21, 2025



### Procedure

Screening Profile Testing Using SBSE with GC-MS/MS Method and Identification by NIST Library

### Results and Conclusion

The analysis of the chemical compounds in the sample SFTY-2504-001 is presented in Table 1. Furthermore, the results obtained from GC-MS/MS analysis of the sample are illustrated in the chromatographic profile shown in Figure 1, which displays the Total Ion Chromatogram (TIC) with notable peaks corresponding to different retention times.

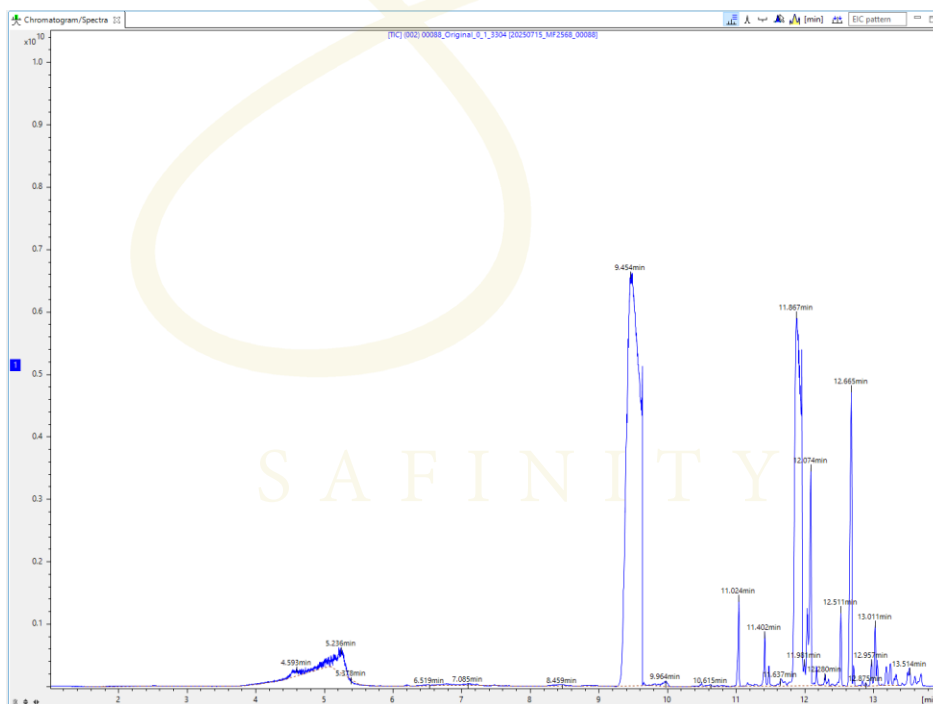


Figure 1 Chromatography

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**Table 1** Chemical Compounds in Sample SFTY-2504-001

Name	Retention time (min)	Odor Characteristics	Biological Properties
Benzaldehyde	4.593	Nutty, almond-like, sweet	Used as an anti-cancer agent (delays/inhibits tumor growth)
1-Methoxy-3,3-dimethyl-1-phenylbutan-2-ol	6.519	-	-
2-methoxy-2-phenyl-2-(N-phenylcarbamoyl)acetic acid	6.765	Woody, smoky, burnt	-
Acetophenone	7.086	Sweet-warm, hawthorn-like	Used in perfumes, flavoring agent for food/beverages
2-Benzoyl-4H-1,3-benzothiazine	7.215	-	Antibacterial, antifungal, antitumor, antimalarial, anticancer, antiviral, and anti- inflammatory activities
Benzenemethanol, $\alpha$ , 4-dimethyl-	8.459	Fruity	-
2-Butanone, 4-phenyl-	9.454	Sweet	Used in the development of analgesic and anti-inflammatory drugs
1-Allyloxy-1-ethynyl-2-isopropylidene-5-methylcyclohexane	9.641	-	-
2-(Trifluoromethyl)-2-(4-methylphenoxy)oxirane	9.803	-	Used in the treatment of various medical conditions
1-butylhexylbenzene	9.964	-	-
1-Methoxypentadeca-1,3-dien-5-ol	10.468	-	-
2,3,5-Trimethylenehexane	11.025	Woody, earthy, camphor-like	-
Lyratyl acetate	11.156	Sweet, floral and fruity	Prevents acne-causing microorganisms
1-Allyltricyclo[4.1.0(2,7)] heptane	11.160	-	-
trans-Caryophyllene	11.402	Woody, clove-like	Neuroprotective, analgesic, antiasthmatic properties

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Name	Retention time (min)	Odor Characteristics	Biological Properties
3-(2-Chloro-2-methylpropyl)-1-cyclopentene	11.465	-	-
1,2,7-Octatriene	11.637	Fruity, floral	Antibacterial, anti-inflammatory, potential for treating gastric ulcers
1,1-Dicyclopropyl-2-methyl-1-butene	11.981	Pleasant aromatic scent	-
1-Methylene-2b-hydroxymethyl-3,3-dimethyl-4b-(3-methylbut-2-enyl)-cyclohexane	12.021	-	Antimicrobial, antioxidant, anti-inflammatory properties
4-Isopropyl-1-methyl-4-(3'-methylbut-3'-enyl)cyclohex-1-ene	12.073	Monoterpene (important for floral scent)	-
Longipin-9-ene-14,15-diol	12.280	-	-
1,2,3-Trimethyl-1-(3'-phenyl-2-propenyl)indene	12.392	Camphor-like, fruity, musty, cedar-like	-
1H-Cyclopropa[a]naphthalene, 1a,2,6,7,7a,7b-hexahydro-1,1,7,7a-tetramethyl-, (1aR, 7R,7aR, 7bS)-	12.511	-	-
3'-Phenyl-5'-(2-hydroxyethyl)-spiro[adamantane-2,2'-(1,3)-dithiolane]-4'-one	12.697	-	-
2,3,5,8,10,11-Hexamethylenedodecane	12.875	Fresh wood, amber	Essential oils generally help regulate mood, reduce anxiety and pain, reduce inflammation
$\beta$ -Caryophyllene(trans-[[1R-(1Q*,4E,9S*)-4,11,11-Trimethyl-8-methylenebicyclo[7.2.0]undec-4-ene]])	12.958	Woody, clove-like	Antidepressant, neuroprotective, analgesic
(E)-1-bromo-3-nonyl-1-ene	13.011	Green, waxy, fatty	-
2,3-dimethyl-3-(3-methylphenyl)cyclopentan-1-one	13.043	Sandalwood-like, intense floral	-

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VISBIO

Name	Retention time (min)	Odor Characteristics	Biological Properties
$\beta$ -Gurjunene	13.108	Unique fragrance of <i>Dipterocarpaceae</i> wood	Antianxiety, antidepressant, antimicrobial, anti-inflammatory
1-bicyclo[1.1.1]pent-1-ylbicyclo[2.2.2]octane	13.403	Benzene-like aromatic	Used as a bio-isostere in drug development
(1S,2R,4S)-N-Benzyl-2-hydroxy-7,7-dimethylbicyclo[2.2.1]hept-1-ylmethanesulfonamide	13.591	--	Compounds associated with anxiety reduction
(E)-5-(3-Furanyl)-2-methyl-2-penten-4-yn-1-ol	13.678	Green, leaf-like, waxy	-

#### Remark

This test report is only applicable to the samples tested in the laboratory.

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