

# SAFETY DATA SHEET (SDS)

Version 2.0

Revision Date : February 8,2023

Print Date : January 1, 2024

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Cypress Organic Essential Oil
Botanical name	:	Cupressus sempervirens
INCI name	:	Cupressus Sempervirens Leaf Oil
CAS #	:	84696-07-1
Country of Origin	:	Spain
EINECS #	:	283-626-9
Product use:	:	Domestic and Industrial

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

### GHS Classification

Flammable liquids - Category 3

Aspiration hazard - Category 1

Skin Irritation - Category 2

Skin Sensitization - Category 1

Hazardous to the aquatic environment - Chronic - Category 2

### GHS Label elements, including precautionary statements



Signal: Danger

### Hazard statement(s)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long-lasting effects.

### Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P321	Specific treatment (see section 4 on this label).
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P362	Take off contaminated clothing.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use appropriate fire extinguisher to extinguish.
P391	Collect spillage.
P403+P235	Store in a well ventilated place. Keep cool.
P501	Dispose of contents/container according to local regulations.

### 3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Cupressus Sempervirens Leaf Oil	84696-07-1	283-626-9	100 %

### 4. FIRST AID MEASURES

#### Eye contact

If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

#### Skin contact

Remove contaminated clothing. Wash area with soap and water. Never use solvents or thinners. If irritation occurs, get medical attention

#### Inhalation

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

#### Ingestion

Seek medical attention or contact local poison control center. Keep calm. Never induce vomiting.

### 5. FIRE FIGHTING MEASURES

### **Suitable extinguishing media**

Extinguisher powder or carbon dioxide. In case of more serious fires, also use alcohol-resistant foam. Do not use a direct stream of water to extinguish.

### **Unsuitable extinguishing media**

Water spray, water jet.

### **Special protective equipment and precautions for fire-fighters**

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, protective goggles or facemasks, and gloves.

### **Special hazards arising from the substance or its combustible products**

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

### **Resulting gases**

Carbon oxides.

## **6. ACCIDENTAL RELEASE MEASURES**

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### **Personal precautions, protective equipment and emergency procedures.**

Eliminate possible ignition points and ventilate the area. No smoking. Avoid breathing fumes. Equip clean crew with proper protection. Respiratory protection equipment may be necessary. For exposure control and individual protection measures, see section 8.

### **Environmental precautions**

Product is dangerous for the environment. Prevent entry to sewers and public waters. Prevent the contamination of drains, surface or subterranean waters, and the ground. In case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to the local legislation.

### **Methods and materials for containment and cleaning up**

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

## **7. HANDLING AND STORAGE**

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### **Precautions for safe handling**

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards. The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use antistatic footwear and clothing, and floors must be conductors. Keep the container tightly closed and isolated from heat sources, sparks, and fire. Do not use tools that can cause sparks. For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers. In the application area, smoking, eating, and drinking must be prohibited. Follow legislation on occupational health and safety

### **Conditions for safe storage, including any incompatibilities**

Store according to local legislation. Observe indications on the label. Store the containers between 5°C and 35°C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### Exposure controls

Odor is inadequate to warn of overexposure.

### Eyes

Use tightly sealed goggles.

### Skin

If skin contact or contamination of clothing is likely, anti-static protective clothing should be worn. Use protective gloves. Wear anti-static footwear.

### Respiratory

Wear filter mask for protection against gases and particles.

### Ingestion

Not for ingestion.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	:	Yellowish to Yellow liquid
Odor	:	Characteristic, terpeny, fresh, sweet odor
Flash point	:	42°C
Relative density	:	0.863 to 0.885 @ 20°C
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Refractive index	:	1.4725 @ 20°C
Optical rotation	:	+18.5° @ 20°C

## 10. STABILITY AND REACTIVITY

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### Reactivity

This material presents no significant reactivity hazard under normal conditions.

### Chemical stability

Chemically stable under normal conditions.

### Possibility of hazardous reactions

Flammable liquid and vapor.

### Conditions to avoid

Avoid the following conditions:

- High temperature.
- Static discharge.
- Contact with incompatible materials.
- Avoid temperatures near or above the flash point.
- Do not heat closed containers.
- Avoid direct sunlight and heat, as these may cause a risk of fire.

### Incompatible materials

Avoid explosive, toxic and oxidizing materials.

### Hazardous decomposition products

Carbon oxides and nitrogen fumes and oxides.

## 11. TOXICOLOGICAL INFORMATION

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### Acute toxicity

No conclusive data for classification.

### Carcinogenicity

No conclusive data for classification.

**Mutagenicity**

No conclusive data for classification.

**Specific target organ toxicity**

No conclusive data for classification.

**Reproductive toxicity**

No conclusive data for classification.

**Inhalation**

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

**Skin contact**

May cause an allergic skin reaction. Adverse skin effects should be prevented by normal care and personal hygiene.

**Eye contact**

Possible irritation should be prevented by wearing safety glasses.

**Skin corrosion**

Causes skin irritation.

**Serious eye damage**

No conclusive data for classification.

**Single exposure**

No conclusive data for classification.

**Repeated exposure**

No conclusive data for classification.

**Aspiration hazard**

May be fatal if swallowed and enters airways.

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**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

**Persistence and degradability**

Not available.

**Bio - accumulative potential**

Not available.

**Mobility in soil**

Not available.

**Other adverse effects**

Not available.

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**13. DISPOSAL CONSIDERATION**

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance. Follow provisions of Directive 2008/98/EC regarding waste management.

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**14. TRANSPORT INFORMATION**

**UN Number**

1197

**UN proper shipping name**

Extracts, liquid

**Transport hazard class**

3

**Packing group**

III

**US DOT Shipping Description (Land)**

1197

**Proper shipping name**

Extracts, liquid

**Class**

3

**Packaging group**

III

**IMO-IMDG Shipping Description (Sea)**

1197

**Proper shipping name**

Extracts, liquid

**Class**

3

**Packaging group**

III

**IMDG-Marine pollution****IATA Shipping Description (Air)**

1197

**Proper shipping name**

Extracts, liquid

**Class**

3

**Packaging group**

III

**Emergency action in case of accident**

Notify police and fire department immediately

**15. REGULATORY INFORMATION**

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**California Proposition 65**

• This product can expose you to beta-Myrcene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**GHS Hazard Statements**

Please refer to section 2.

**GHS Precautionary Statements**

Please refer to section 2.

## **16. OTHER INFORMATION**

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## CERTIFICATE OF ANALYSIS

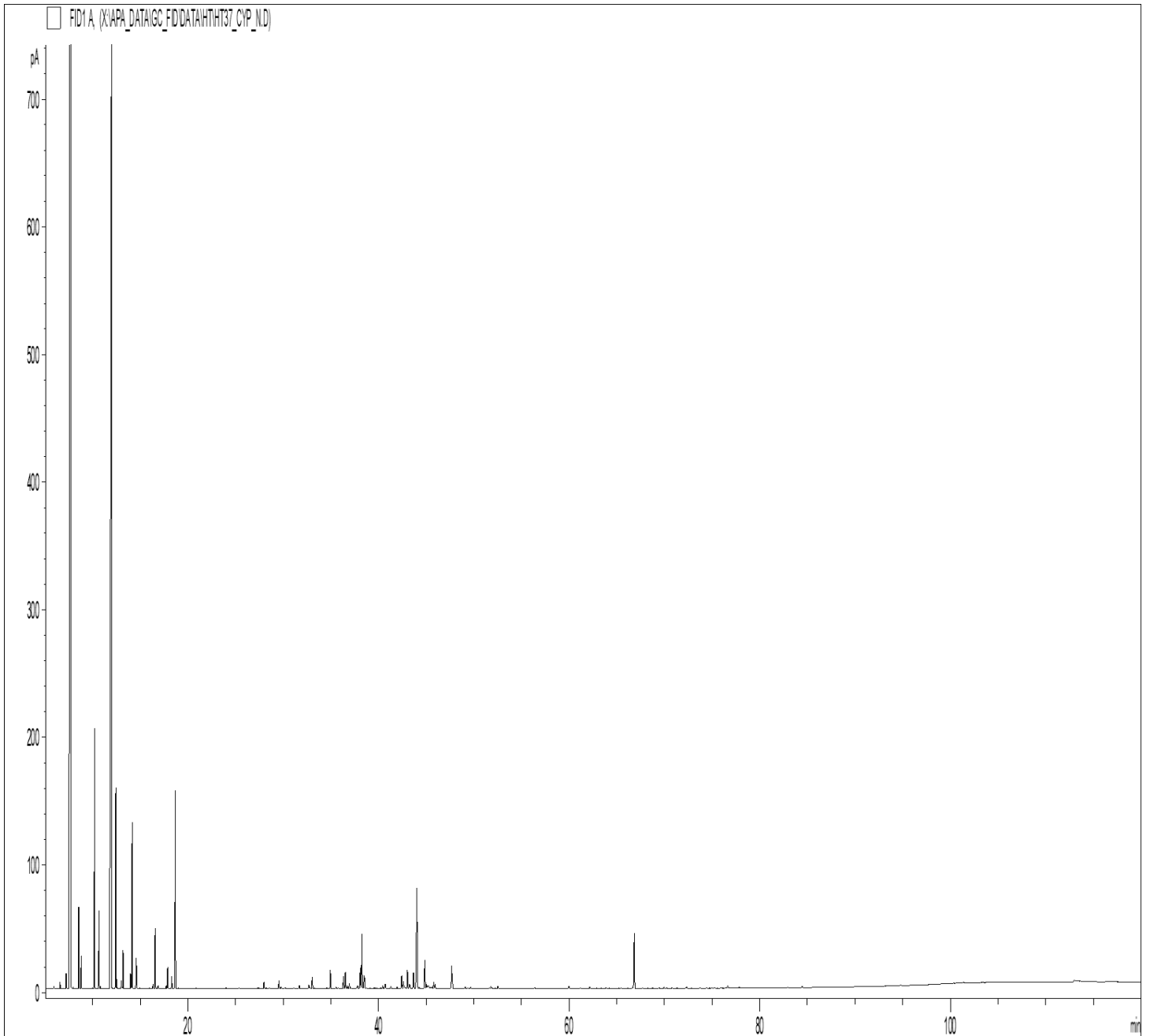
<b>Product</b>	<b>Cypress Organic Essential Oil :b</b>	
Lot No	50068A10122	
Best Before	April, 2024	
<b><u>Properties</u></b>	<b><u>Specifications</u></b>	<b><u>Results</u></b>
Appearance	Yellow liquid.	Complies
Odor	Characteristic, terpeny.	Complies
Solubility	Insoluble in water.	Complies
Refractive Index	1.468 to 1.478 @ 20°C	1.4685
Relative Density	0.863 to 0.885 @ 20°C	0.8652
Optical Rotation	+15° to +30° @ 20°C	+14.5°
Alpha-pinene	40 - 60 %	53.12
Beta-pinene	0.5 - 3 %	2.21
Sabinene	0.5 - 2 %	0.93
Delta-3-carene	16 - 27 %	20.75
Myrcene	1 - 3.5 %	2.0
Terpinene-4-ol	0.5 - 2 %	0.76

**Storage:** Store in air tight containers; in a cool dry area; away from direct sunlight.



## GCMS ANALYSIS

**PRODUCT NAME: CYPRESS ORGANIC ESSENTIAL OIL**



*Due to volume turnover, this report is not lot specific, It is representative of the quality of this oil produced by the manufacturer of this product, Specific lots may vary slightly as is the case in natural products*

PRODUCT NAME: CYPRESS ORGANIC ESSENTIAL OIL

Peak	RT (min)	Compound	%
1	5.95	TERPENE ISOMER	0.02
2	6.59	BORNYLENE	0.06
3	7.23	TRICYCLENE	0.18
4	7.70	$\alpha$ -PINENE	52.46
5		$\alpha$ -THUYENE	
6	8.55	$\alpha$ -FENCHENE	0.71
7	8.80	CAMPHENE	0.29
8	10.21	$\beta$ -PINENE	2.89
9	10.67	SABINENE	0.82
10	10.81	PINADIENE	0.03
11	11.98	$\delta$ 3-CARENE	22.51
12	12.44	$\beta$ -MYRCENE	2.29
13	12.56	$\alpha$ -PHELLANDRENE	0.08
14	12.65	psi-LIMONENE	0.01
15	13.02	o-CYMENE	0.09
16	13.21	$\alpha$ -TERPINENE	0.43
17	13.99	ISOSYLVESTRENE	0.19
18	14.16	LIMONENE	2.07
19	14.60	1,8-CINEOLE	0.40
20		beta-PHELLANDRENE	
21	15.96	cis-beta-OCIMENE	0.01
22	16.35	TERPENE ISOMER	0.06
23	16.57	$\gamma$ -TERPINENE	0.77
24	16.88	trans- $\beta$ -OCIMENE	0.04
25	17.73	m-CYMENE	0.04
26	17.88	p-CYMENE	0.28
27	18.32	ISOTERPINOLENE	0.17
28	18.69	TERPINOLENE	3.08
29	23.99	$\alpha$ -PINENE OXIDE	0.01
30	25.35	MENTHATRIENIC COMPOUND	0.02

**PRODUCT NAME: CYPRESS ORGANIC ESSENTIAL OIL**

<b>Peak</b>	<b>RT (min)</b>	<b>Compound</b>	<b>%</b>
31	27.42	DIMETHYLSTYRENE ISOMER	0.01
32	27.97	$\alpha$ , $p$ -DIMETHYLSTYRENE	0.10
33	28.18	MENTHATRIENIC COMPOUND	0.01
34	28.53	LIMONENE trans-1,2-EPOXIDE	0.01
35	29.54	$\alpha$ -CUBEBENE	0.13
36	29.76	4,8-TERPINOLENE EPOXIDE	0.03
37	30.20	SESQUITERPENE	0.02
38	31.11	YLANGENE	0.02
39	31.69	$\alpha$ -COPAENE	0.05
40	32.69	CAMPHOR	0.07
41	32.79	PINOCAMPHONE	0.01
42	33.04	KARAHANAENONE	0.19
43	33.29	SESQUITERPENE	0.01
44	33.78	TERPENIC COMPOUND	0.01
45	34.56	$\beta$ 1-CUBEBENE	0.02
46	34.94	LINALOOL	0.28
47	35.55	LINALYL ACETATE	0.03
48	35.79	trans- $p$ -MENTH-2-EN-1-OL	0.02
49	36.31	$\alpha$ -CEDRENE	0.20
50	36.52	$\beta$ -FUNEBRENE	0.29
51	36.72	epsilon-CADINENE	0.05
52	36.94	BORNYL ACETATE	0.08
53	37.72	$\beta$ -ELEMENE	0.02
54	37.82	$\beta$ -CUBEBENE	0.06
55	38.09	$\beta$ -CARYOPHYLLENE	0.36
56		$\beta$ -CEDRENE	
57	38.26	TERPINENE-4-OL	0.86
58	38.52	METHYL CARVACROL ETHER	0.30
59		TERPINEN-4-YL ACETATE	
60	38.73	SESQUITERPENE	0.02

**GCMS ANALYSIS (cont'd.)**

PRODUCT NAME: CYPRESS ORGANIC ESSENTIAL OIL - 50068

Peak	RT (min)	Compound	%
61	39.13	TERPENIC COMPOUND	0.02
62	39.52	THUYOPSENE	0.02
63	39.67	MYRTENAL	0.01
64	39.78	cis-p-MENTH-2-EN-1-OL	0.01
65	40.25	SESQUITERPENE	0.02
66	40.45	UMBELLULONE	0.05
67	40.69	CADINA-3,5-DIENE	0.09
68	41.29	trans-PINOCARVEOL	0.04
69	41.96	ZONARENE	0.03
70	42.44	$\alpha$ -HUMULENE	0.23
71	42.62	cis-4,5-MUUROLADIENE	0.16
72	43.04	TERPENYL FORMATE	0.32
73	43.27	TERPENIC ESTER	0.10
74	43.67	$\gamma$ -MUUROLENE	0.29
75	44.03	TERPENYL ACETATE	2.11
76		$\alpha$ -TERPINEOL	
77	44.28	VERBENONE	0.03
78	44.87	GERMACRENE D	0.54
79	45.05	CADINENE ISOMER	0.07
80	45.15	MUUROLENE ISOMER	0.04
81	45.24	SESQUITERPENE	0.05
82	45.31	SESQUITERPENE	0.02
83	45.51	SESQUITERPENE	0.03
84	45.63	p-MENTHA-1(7),2-DIEN-8-OL	0.02
85	45.80	$\alpha$ -MUUROLENE	0.11
86	45.95	SESQUITERPENE	0.07
87	46.78	$\beta$ -CURCUMENE	0.02
88	47.68	$\delta$ -CADINENE	0.40
89	47.73	$\gamma$ -CADINENE	0.10
90	49.10	CADINA-1,4-DIENE	0.03

### GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CYPRESS ORGANIC ESSENTIAL OIL - 50068

Peak	RT (min)	Compound	%
91	49.36	MYRTENOL	0.02
92	49.68	$\alpha$ -AMORPHENE	0.02
93	51.25	trans-ANETHOL	0.01
94	51.61	4-ETHYL-GUAIACOL	0.02
95	51.80	cis-CALAMENENE	0.04
96	51.91	trans-CALAMENENE	0.01
97	52.27	m-CYMENE-8-OL	0.01
98	52.53	p-CYMENE-8-OL	0.05
99	56.42	$\alpha$ -CALACORENE	0.02
100	59.98	CARYOPHYLENE OXIDE	0.05
101	62.17	DECADIENYL ISOVALERATE	0.03
102	63.89	Epi-CUBENOL	0.02
103	66.18	AROMATIC COMPOUND	0.01
104	66.66	SESQUITERPENOL	0.02
105	66.84	CEDROL	1.02
106	67.71	SESQUITERPENOL	0.02
107	68.76	CEDROL ISOMER	0.01
108	69.46	T-CADINOL	0.01
109	69.96	THYMOL	0.02
110	70.23	$\alpha$ -MUUROLOL	0.01
111	72.22	SESQUITERPENOL	0.01
112	72.34	$\alpha$ -CADINOL	0.03
113	73.73	DITERPENE	0.01
114	76.66	SANDARACOPIMARADIENE	0.05
115	77.88	MANOYL OXIDE	0.02
116	82.93	DITERPENE	0.02
117	84.45	ABIETATRIENE	0.02
118	94.79	TERPENIC COMPOUND	0.02
		TOTAL	99.91