

# **Certificate of Analysis**

Product Name		SANDALWOOD OIL EAST INDIAN (santalum album)			
Product Code		OESANDEASTINDI			
INCI Name		Santalum Album			
Best Before Date		September 2025			
Batch Number		4482602			
Manufacturing Process		Obtained by steam distillation of Santalum album wood			
Identification		CAS No: 84787-70-2		EINECS No: 284-111-1	
		Alternative Cas: 8006-87-9			
PHYSICAL AND CHE	MICAL C	IARACTERISTIC			
		SPECIFICATION RANGE		RESULTS	
Appearance		Liquid		Conforms	
Colour		Clear to Pale Yellow		Conforms	
Odour		Characteristic		Conforms	
Specific Gravity @ 27°c		0.963 - 0.977		0.964	
Refractive Index @ 27°c		1.500 - 1.507		1.504	
Optical Rotation @ °c		-20 to -15		-18.3	
MAIN CONSTITUEN	ITS				
Constituent Range	Result	Constituent Range	Result	Constituent Range	Result
Santalol Alpha 40-55%	51.27%	B-santalol 16-24%%	23.72%	Santalol-beta-trans (0.01-5%	3.64%
STORAGE AND SHE	LF LIFE				
Storage		Store in tightly closed container with minimum headspace in a cool, dark and dry			
		place.			
Shelf Life		24 months unopened and stored as above.			
Company's knowledge and belief, accurate an himself as to the suitability of such information	nd reliable as of the don for his own particule to guarantee the "a	ate indicated. However, no warranty, guard lar use. Where MADAR Corporation Limite	antee or representati d make a declaration	ination with any other materials or in any process. Such ir on is made to its accuracy, reliability or completeness. It is that allergenic material are not present in any product, th ty of the customer to ensure the safety of the intended fi	the users responsibility to satisfy is statement is made assuming



### **CMR STATEMENT**

IDENTIFICATION				
Product:	SANDALWOOD OIL EAST INDIAN			
Cas No:	84787-70-2			
EINECS No:	284-111-1			
STATEMENT				

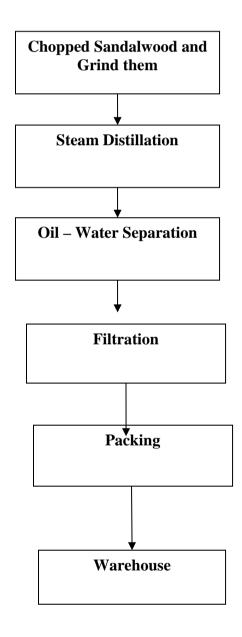
We, Madar Corporation Limited, from information received from our supplier, hereby declare that the material listed above contains the following CMR substances or traces of CMR substances (Carcinogenic, Mutagenic, Toxic for reproduction) graded 1A, 1B and 2 listed below in accordance with the 1272/2008/E Regulation:

Components	Cas No
Epi-Alpha-Bisabolol	515-69-5
Trans, Trans Farnesol	4602-84-0
Cis Alpha Santalol	115-71-9
Cis-Alpha-Trans Bergamotol	88034-74-6
Cis-Epi Beta Santalol	79081-90-6
Cis Beta Santalol	11031-45-1
Cis Lanceol	10067-28-4
Cis Nuciferol	78339-53-4

This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.



# Flow Diagram Sandalwood Indian Oil





# SAFETY DATA SHEET SANDALWOOD OIL EAST INDIAN (santalum Album)

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name SANDALWOOD OIL EAST INDIAN (santalum Album)

Synonyms; trade Santalum Album

names

 Alternative Cas Number
 8006-87-9

 CAS number
 84787-70-2

 EC number
 284-111-1

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Fragrance

1.3. Details of the supplier of the safety data sheet

Supplier Madar Corporation Limited

19 - 20 Sandleheath Indsutrial Estate

Fordingbridge SP6 1PA

Tel. +44 1425 655 555

e-mail technical@madarcorproation.co.uk

#### 1.4. Emergency telephone number

#### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Skin Sens. 1 - H317

Environmental hazards Not Classified

Human health May cause an allergic skin reaction.

2.2. Label elements

**EC number** 284-111-1

#### SANDALWOOD OIL EAST INDIAN (santalum Album)

#### Hazard pictograms



Signal word Warning

Hazard statements H317 May cause an allergic skin reaction.

**Precautionary statements** P261 Avoid breathing vapour/ spray.

P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P302+P352 IF ON SKIN: Wash with plenty of water. P321 Specific treatment (see medical advice on this label).

P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/ container in accordance with national regulations.

Contains Santalol Alpha, B-santalol, Santalol-beta-trans

#### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Santalol Alpha 40 - 55%

CAS number: 115-71-9 EC number: 204-102-8

Classification

Skin Sens. 1B - H317

B-santalol 16 - 24%

CAS number: 77-42-9

Classification

Skin Sens. 1B - H317

Santalol-beta-trans 0.01 - 5%

CAS number: 37172-32-0

Classification

Skin Sens. 1 - H317

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Inhalation Remove affected person from source of contamination. Get medical attention if any discomfort

continues.

**Ingestion** Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any

discomfort continues.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. Get medical

attention if any discomfort continues.

19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK Tel: 01425 655555 Email: technical@madarcorporation.co.uk

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#### SANDALWOOD OIL EAST INDIAN (santalum Album)

Eye contact Remove any contact lenses and open eyelids wide apart. Wash with plenty of water. Continue

to rinse for at least 15 minutes and get medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

#### 4.3. Indication of any immediate medical attention and special treatment needed

#### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media Carbon dioxide or dry powder. Alcohol-resistant foam.

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

Specific hazards None known.

5.3. Advice for firefighters

Protective actions during

firefighting

Avoid breathing fire gases or vapours. Cool containers exposed to flames with water until well

after the fire is out.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

#### SECTION 6: Accidental release measures

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

**Personal precautions** Avoid contact with skin and eyes. Avoid inhalation of vapours. Provide adequate ventilation.

Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up Cover with inert, inorganic, non-combustible material (e.g dry-lime, sand, soda ash). Place in

covered containers and dispose of in accordance with local authority guidelines. Never return spills in original containers for re-use. Wash spill site after material pick up is complete. To

prevent release, place container with damaged side up.

#### 6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 13. For personal protection, see Section 8.

#### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed

when not in use. Wear protective clothing, gloves, eye and face protection. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Use only in well-ventilated areas. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. Do not empty into drains. Do not eat, drink or smoke when

using this product. Wash skin thoroughly after handling.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

#### 7.3. Specific end use(s)

#### SECTION 8: Exposure controls/Personal protection

#### SANDALWOOD OIL EAST INDIAN (santalum Album)

#### 8.1. Control parameters

#### 8.2. Exposure controls

#### Protective equipment







Appropriate engineering

controls

Provide eyewash station Provide adequate ventilation.

Personal protection Slip proof shoes may be worn in event of spillage.

Chemical splash goggles or face shield. Eye/face protection

Hand protection Chemical resistant gloves (PVC)

Other skin and body

protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures Good personal hygiene procedures should be implemented.

Respiratory protection Generally unnecessary in a well ventilated area.

If ventilation is insufficient, respiratory protection must be worn.

**Environmental exposure** 

controls

Avoid discharging into drains.

#### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

**Appearance** Liquid.

Colour Light (or pale). Yellow. to Amber.

Odour Characteristic.

Relative density 0.963 - 0.977 @ 27°C

9.2. Other information

Refractive index 1.500 - 1.507 @ 27°C

**Optical Rotation** -20 - -15

**Hydrocarbon Content** 4.1

#### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity No hazardous reactions if stored and handled as prescribed / indicated.

10.2. Chemical stability

Stability Stable under the prescribed storage conditions.

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous

No data available.

reactions

#### 10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Revision date: 30/03/2022 Revision: 2 Supersedes date: 13/07/2020

#### SANDALWOOD OIL EAST INDIAN (santalum Album)

#### 10.5. Incompatible materials

Materials to avoid Avoid contact with the following materials: Strong acids. Strong oxidising agents. Strong

alkalis.

#### 10.6. Hazardous decomposition products

Hazardous decomposition

Liable to cause smoke and acrid fumes during combustion: carbon monoxide, carbon dioxide

and other non identified organic compounds may be formed.

#### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Skin sensitisation

products

**Skin sensitisation** May cause an allergic skin reaction.

Carcinogenicity

**Carcinogenicity** Carcinogenicity in humans is not expected.

#### SECTION 12: Ecological information

**Ecotoxicity** No information available.

12.1. Toxicity

#### 12.2. Persistence and degradability

#### 12.3. Bioaccumulative potential

12.4. Mobility in soil

#### 12.5. Results of PBT and vPvB assessment

#### 12.6. Other adverse effects

#### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal methods**Dispose of contents/container in accordance with local regulations.

#### SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods

(IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant

No.

#### 14.6. Special precautions for user

Not applicable.

#### SANDALWOOD OIL EAST INDIAN (santalum Album)

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

#### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.2. Chemical safety assessment

**Inventories** 

**EU - EINECS/ELINCS** 

Present.

Canada - DSL/NDSL

DSL

**US-TSCA** 

Present.

Australia - AIIC

Present.

Japan - ENCS

Present.

Korea - KECI

Present.

China - IECSC

Present.

Philippines - PICCS

Present.

New Zealand - NZIOC

Present.

Taiwan - TCSI

Present.

#### SECTION 16: Other information

Revision date 30/03/2022

Revision 2

Supersedes date 13/07/2020

SDS number 5466

Hazard statements in full H317 May cause an allergic skin reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



## **Product Specification**

PRODUCT DETAILS				
Product Name	SANDALWOOD OIL (santalur	SANDALWOOD OIL (santalum album)		
Product Code	OESANDINDI	•		
Tariff Number	3301-2949-00	3301-2949-00		
Country of Origin	Various	Various		
INCI Name	Santalum Album	Santalum Album		
Natural Status	We herevy declare, to the best of our knowledge and from information received from our			
	supplier, that this material is 100% pure and natural obtained from Santalum Album Wood.			
Food Grade Status	Not Applicable	Not Applicable		
Kosher Certified	Suitable	Suitable		
Halal Certified	Suitable			
GMO Declaration	To the best of our knowledge and from information received from our supplier, this product			
	does not derive from genetically modified starting raw material, or additives that are			
	derived from genetically modifed organisms.			
Manufacturing Process	Steam distillation of the wood from Santalum Album.			
Identification	CAS No: 84787-70-2	EINECS No: 284-111-1		
	Alternative CAS: 8006-87-9			
PHYSICAL AND CHEMICA	AL CHARACTERISTIC			
Appearance	Liquid	Liquid		
Colour	Light (or pale) yellow to amber			
Odour	Characteristic	Characteristic		
Relative Density @ 27°c	0.963 - 0.977	0.963 - 0.977		
Refractive Index @ 27°c	1.500 - 1.507	1.500 - 1.507		
Optical Rotation °	-20 to -15			
FRAGRANCE ALLERGENS				
NONE PRESENT				
FOOD ALLERGENS				
NOT APPLICABLE				
IFRA				
ep-a-bisabolol <b>(515-69-5) &lt;2%</b>				
STORAGE AND SHELF LIF	E			
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry			
	place.			
Shelf Life	24 months unopened and sto	24 months unopened and stored as above.		

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the Company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where we make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.



### **Vegan and Vegetarian Statement**

IDENTIFICATION				
Product:	SANDALWOOD OIL EAST INDIAN			
Cas No:	84787-70-2 / 8006-87-9			
EINECS No:	284-111-1			
STATEMENT				

We, Madar Corporation Limited, from information received from our supplier, hereby declare that the material listed above is suitable for the following:

Vegans (Excludes all animal derived products, including dairy, eggs, leather, bee products (beeswax and honey).

Lacto Vegetarians (Same as vegan but allows milk products and bee products.

Ovo Vegetarians (Same as vegan but allows egg products and bee products)

It does not contain any animal ingredients or animal by products. No animal ingredients or by products are used in the manufacturing process.

24/11/2020

This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.