

Certificate of Analysis

PRODUCT NAME : GALANGAL OIL

GEOGRAPHICAL ORIGIN : INDIA

MODE OF EXTRACTION : STEAM DISTILLED

DISTILLED OR EXPRESSED

 ORGAN
 : ROOT

 REF.NO./BATCH NO.
 : 4485804

 BEST BEFORE END
 : October 2025

ANALYSE PHYSICAL PARAMETERS

PRODUCT/STANDARD : GALANGAL OIL DESCRIPTION : LIGHT YELLOW

ODOUR : CAMPHOR LIKE ODOR

 OPT.ROTATION
 : -1.28

 REF.INDEX
 : 1.5273

 SP.GRAVITY
 : 0.9979

SOLUBILITY : SOLUBLE IN OIL INSOLUBLE IN WATER STABILITY : STABLE UNDER NORMAL CONDITIONS

<u>REACTIVITY</u> : AVOID OXIDIZING MATERIALS

STORAGE INSTRUCTIONS : SHOULD BE STORED BELOW 20°C IN COOL, DRY,

WELL VENTILATED PLACE IN FULLY & TIGHTLY SEALED CONTAINERS. PROTECTED FROM LIGHT & KEEP AWAY FROM ANY SOURCE OF IGNITION/FIRE.

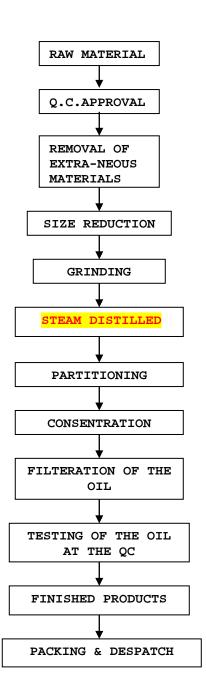


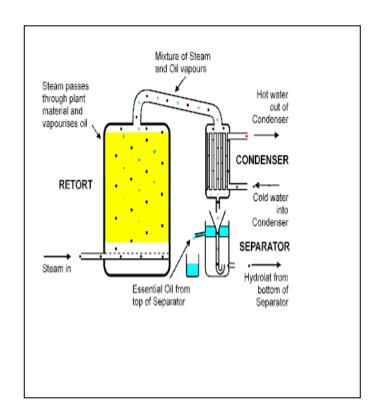
COSMETICS ALLERGENS LIST

FRAGRANCE NAME : GALANGAL OIL DATED : 02/03/2022

ALLERGENS	CAS NO.	PERCENTAGE IN THE PRODUCT
ANISYL ALCOHOL	105-13-5	N/A
ALPHA-ISOMETHYL IONONE	127-51-5	N/A
AMYL CINNAMAL	122-40-7	N/A
AMYLCINNAMYL ALCOHOL	101-85-9	N/A
BENZYL ALCOHOL	100-51-6	N/A
CINNAMYL ALCOHOL	104-54-1	N/A
BENZYL BENZOATE	120-51-4	N/A
BENZYL CINNAMATE	103-41-3	N/A
BENZYL SALICYLATE	118-58-1	N/A
BUTYLPHENYL METHYLPROPIONAL	80-54-6	N/A
CINNMAL	104-55-2	N/A
CINNAMYL ALCOHOL	104-54-1	N/A
CITRAL	5392-40-5	N/A
CITRONELLOL	106-22-9	N/A
COUMARIN	91-64-5	N/A
EUGENOL	97-53-0	N/A
FARNESOL	4602-84-0	N/A
GERANIOL	106-24-1	N/A
HEXYL CINNAMALDEHYDE	101-86-0	N/A
HYDROXY CITRONELLAL	107-75-5	N/A
ISOEUGENOL	97-54-1	N/A
LINALOOL	78-70-6	N/A
LILIAL	80-54-6	N/A
LYRAL	31906-04-4	N/A
LIMONENE	5989-27-5	<mark>1.55%</mark>
TREE MOSS	90028-67-4	N/A
OAK MOSS	90028-68-5	N/A
METHYL HEPTINE CARBONATE	111-12-6	N/A

PROCESS FLOW CHART GALANGAL







NON-GMO CERTIFICATE

PRODUCT NAME: Galangal Essential Oil

To the best of our knowledge, the products listed below are not derived from Genetically Modified starting Raw materials or additives that are derived from Genetically Modified Organism and do not contain detectable of Genetically Modified material(known as PCR negative). It is our understanding the EU labeling requirements are based on the presence of detectable level of transgenic material based on this ,the products will not on it shown, require the labeling of these food stuffs and food ingredients as indicated in IEC.NO.: 0690001118 & FDA.REG.NO.: 14936438988 on the authorization, labeling and trace availability of Genetically Modified Organism in Food and Feed.



IFRA CERTIFICATE

PRODUCT: GALANGAL OIL

CONSTITUENT	IFRA	CAS NUMBER	EINECS NUMBER	RANGE
alpha-iso-Methylionone	NO	127-51-5		NOT DETECTED
Amyl Cinnamal	YES	122-40-7	204-541-5	NOT DETECTED
Amyl Cinnamyl Alcohol	YES	101-85-9	202-982-8	NOT DETECTED
Anisyl Alcohol	NO	1331-81-3	215-561-9	NOT DETECTED
Benzyl Alcohol	NO	100-51-6	202-859-9	NOT DETECTED
Benzyl Benzoate	NO	120-51-4	204-402-9	NOT DETECTED
Benzyl Cinnamate	NO	103-41-3	203-109-3	NOT DETECTED
Benzyl Salicylate	NO	118-58-1	204-262-9	NOT DETECTED
Butylphenyl Methylpropional (Lilial)	NO	80-54-6		NOT DETECTED
Cinnamal	YES	104-55-2	203-213-9	NOT DETECTED
Cinnamyl Alcohol	YES	104-54-1	203-212-3	NOT DETECTED
Citral	YES	5392-40-5	226-394-6	NOT DETECTED
Citronellol	NO	106-22-9	203-375-0	NOT DETECTED
Coumarin	NO	91-64-5	NOT ALLOCATED	NOT DETECTED
Eugenol	YES	97-53-0	202-589-1	NOT DETECTED
Farnesol	YES	4602-84-0	225-004-1	NOT DETECTED
Evernia Furfuraceae (Tree Moss)	NO	90028-67-4		NOT DETECTED
Extract				
Evernia Prunastri (Oak Moss) Extract	NO	90028-68-5		NOT DETECTED
Geraniol	NO	106-24-1	203-377-1	NOT DETECTED
Hexyl Cinnamal	YES	101-86-0	202-983-3	NOT DETECTED
Citronellal Hydrate	YES	107-75-5	203-518-7	NOT DETECTED
Iso-Eugenol	YES	97-54-1	202-590-7	NOT DETECTED

Butyl Phenyl Methyl Propinal	YES	80-54-6	201-289-8	NOT DETECTED
Limonene	YES	5989-27-5	227-813-5	NOT DETECTED
Linalool	YES	78-70-6	201-134-4	NOT DETECTED
Hydroxyisohexyl-3-Cyclohexene	NO	31906-04-4	250-863-4	NOT DETECTED
Methyl Heptin Carbonate	YES	111-12-6	203-836-6	NOT DETECTED
Methyl Ionone	YES	127-51-5	204-846-3	NOT DETECTED
Methyl Eugenol	YES	93-15-2		NOT DETECTED
Hydroxyisohexyl 3-Cyclohexene	NO	31906-04-4		NOT DETECTED
Carboxaldehyde (Lyral				
Methyl 2-Octynoate	NO	111-12-6		NOT DETECTED

Madar Corporation Certifies that the above mentioned fragrance product is in compliance with the standards of the INTERNATIONAL FRAGRANCE ASSOCIATION [IFRA 48th Amendment (June '15)], provided the fragrance is used in the following application(s)at the following maximum concentration level(s):

APPLICATION	MAXIMUM USAGE LEVEL
1.A - Lip Products of all Types (Solid & Liquid) lipsticks, Balms & Wax	NOT Allowed
(Clear or Colored)	
1.A - Toys	NOT Allowed
2 - Body Sprays & Mists, Men & Women (intended or labeled for use in axillae)	4.0%
<pre>2- Deodorant and Antiperspirant Products of all types (spray, stick, roll-on, under-arm & body, etc.)</pre>	4.0%
2 - Fragranced Bracelets	4.0%
2 - Nose Pore Strips	4.0%
3.A - Hydroalcoholic Products Applied to Recently Shaved Skin (EDT)	10.0%
3.B - Hydroalcoholic Products Applied to Recently Shaved Skin (Fine Fragrance)	10.0%
3.C - Baby Creams, Lotions, Oils	10.0%
3.C - Body Paint for Children	10.0%
3.C - Eye Products of all Types (eye shadow, mascara, eyeliner, eye	10.0%
make-up, make-up, etc.) including eye care	
3.C - Men's Facial Creams, Balms	10.0%
3.D - Tampons	10.0%

4 % Undered scholis Decelests Applied Me Unschound Chin (EDM)	10.0%
4.A - Hydroalcoholic Products Applied To Unshaved Skin (EDT)	10.0%
4.A - Ingredients of Perfume Kits	10.0%
4.A - Scent Pads, Foil Packs	10.0%
4.A - Scent Strips for Hydroalcoholic Products	10.0%
4.B - Hydroalcoholic Products Applied To Unshaved Skin (Fine Fragrance)	10.0%
4.C - Body Creams, Oils, Lotions of all types (except baby products)	10.0%
4.C - Body Paint for Adults (excludes Childrens Products)	10.0%
4.C - Body Sprays (Not intended for Axillae)	10.0%
4.C - Foot Care Products	10.0%
4.C - Fragrance Compounds for Cosmetic Kits	10.0%
4.C - Hair Deodorant	10.0%
4.C - Hair Styling Aids, Hair Sprays of all Types (pumps, aerosol	10.0%
sprays, etc.)	
4.D - Fragrancing cream & Solid Perfumes	10.0%
5 - Baby Powder and Talc	10.0%
5 - Dry or Waterless Shampoo	10.0%
<u>5</u> - Facial Masks	10.0%
<u>5 -</u> Hair Permanent & Chemical Treatments (e.g. relaxers) but not hair	10.0%
dyes	
<u>5</u> - Hand Cream	10.0%
<u>5 -</u> Hand sanitizers	10.0%
<u>5 -</u> Wipes or Refreshing Tissues for Face, Neck, Hands, Body	10.0%
<u>5 -</u> Women's Facial Creams/Facial Make-up	10.0%
<u>6 -</u> Mouthwash, Including Breath Sprays	NOT ALLOWED
<u>6 -</u> Toothpaste	NOT ALLOWED
7.A - Baby Wipes	8.0%
7.A - Intimate (Feminine)Wipes	8.0%
7.A - Toilet Wipes & Paper	8.0%
7.B - Insect Repellent (intended to be applied to the skin)	8.0%
8.A - Hair Styling Aids Non-Spray of all types (mousse, gels, leave-in	10.0%
conditioners)	
8.A - Make-up Removers of all types (not including face cleansers)	10.0%
8.A - Nail Care	10.0%
8.A - All Powders & Talcs (Except baby Powders & Talcs)	10.0%
8.B - Hair Dyes	10.0%
9.A - Bath Gels, Foams, Mousses, Salts, Oils & other products added to	10.0%
bathwater	
9.A - Body Washes of all types (including baby washes) & Shower Gels of	10.0%
all Type	
9.A - Conditioner (Rinse-Off)	10.0%

9.A - Depilatory	10.0%
9.A - Face Cleansers of all types (washes, gels, scrubs, etc.)	10.0%
9.A - Shampoos of all types (including baby shampoos)	10.0%
9.A - Shaving Creams of all types (stick, gels, foams, etc.)	10.0%
9.A - Soap Liquid & Bar (Toilet Soap)	10.0%
9.B - Feminine Hygiene - Pads & Liners	10.0%
9.B - Wheat Bags	10.0%
9.C - Air fresheners sprays (incl. Room Sprays, Aerosols & Pump; excl.	10.0%
deodorant, hair styling aids, & animal)	
9.C - Facial Tissues, Napkins, Paper Towels & Toilet Paper	10.0%
10.A - Dry Cleaning Kits	10.0%
10.A - Fabric Softeners of all types including fabric softener sheets	10.0%
10.A - Hand Dishwashing Detergent including concentrates	10.0%
10.A - Handwash Laundry Detergents of all types including concentrates	10.0%
10.A - Hard Surface Cleaners (Bathroom & Kitchen Cleansers & Furniture	10.0%
polish, etc.)	
10.A - Machine Wash Laundry Detergent & Bleach (liquids, powders,	10.0%
tablets, etc.) including laundry bleach and concentrates	
10.A - Other Household Cleaning Products (fabric, soft surface & Carpet	10.0%
Cleaners)	
10.A - Shampoos for pets	10.0%
10.B - Diapers	10.0%
10.B - Scented Gloves or Socks	10.0%
10.B - Toilet seat wipes	10.0%
11 - Air Delivery Systems (Automated or with Manual Activator) with no	No Restriction
contact with dispensing port.	
11 - Air Fresheners (Solids, Liquid or Closed systems). Excluding	No Restriction
aerosol products	
11 - All non-skin or incidental skin contact	No Restriction
11 - Animal sprays & Cat Litter	No Restriction
11 - Candles	No Restriction
11 - Concentrated Aerosol Air Fresheners for metered systems	No Restriction
11 - Deodorizers/Maskers not intended for skin contact (Fabric drying	No Restriction
machine deodorizers, carpet powders)	
11 - Floor Wax	No Restriction
11 - Fuels & Paints	No Restriction
11 - Insecticides (mosquito coil, paper, electrical, for clothing)	No Restriction
excluding aerosols	
11 - Joss Sticks, Incense, Crystals/Stones, Blotters, Sachets &	No Restriction
Fragrance Lamp Ring	

11 - Liquid Air Freshener Refills (Cartridge & Non-Cartridge Systems)	No Restriction
11 - Machine Dishwash detergent and deodorizers	No Restriction
11 - Machine only Laundry Detergent (e.g. liquitabs)	No Restriction
11 - Odored Distilled Water (that can be added to steam irons)	No Restriction
11 - Plastic Articles (excluding toys)	No Restriction
11 - Reed Diffusers & Liquid Refills (Cartridge & Non-Cartridge Systems)	No Restriction
11 - Scent delivery systems using dry air technology that releases a	No Restriction
fragrance without sprays, aerosols or heated oils	
11 - Scent Pack	No Restriction
11 - Scratch and Sniff	No Restriction
11 - Shoe Polishes	No Restriction
11 - Toilet Blocks	No Restriction
11 - Treated Textiles (starch sprays, fabric treated with fragrance	No Restriction
after wash, deodorizers for textiles, tights with moisturizers)	

The above mentioned fragrance is in compliance with the standards of the International Fragrance Association, provided the fragrance is used in the above application(s) at the noted maximum concentration level(s). This fragrance contains ingredients which are NOT considered GRAS, Generally Regarded as Safe as a Flavor Ingredient. It is the ultimate responsibility of the customer to ensure the safety of the final product containing this fragrance, by further testing, if necessary. For all other applications, or use at higher concentration levels, a new evaluation will be required.

Date of issue

02/03/2022

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME: GALANGAL KEMPHERIA OIL

DEFINATION .: GALANGAL KAEMPHERIA OIL OBTAINED OF THE ROOT by the process of

STEAM DISTILLATION
CAS NUMBER.: N/A
STATUS.: Natural

SUPPLIER.: Madar Corporation Limited

19 - 20 Sandleheath Industrial Estate

PH.NO Sandleheah Industrial Estate

Fordingbridge SP6 1PA

EMAIL 01425 655 555

technical@madarcorporation.co.uk

2. HAZARDS IDENTIFICATION

Non Hazardous according to current regulations

3.COMPOSITION/INFORMATION ON INGREDIENTS

Composition: GALANGAL KAEMPHERIA OIL OBTAINED OF THE ROOT by the process of

STEAM DISTILLATION

Application: Emollient, Skin conditioning

4.FIRST-AID MEASURES

Skin contact: Wash with water and soap.

Eye contact: Flush with water.

Ingestion: If swallowed seek medical advice immediately.

Inhalation Move to fresh air in case of accidental inhalation of vapours.

5. FIRE-FIGHTNING MEASURES-

Extinguishing media: Carbon dioxide, foams, inert powder.

Extinguishing media to avoid: Water

Special exposure hazards: Fine oil mists may be hazardous. On extreme long

heating at high temperature gaseous components occur of acrolein

variety.Protection against fire: Standard

6.ACCIDENTAL RELEASE MEASURE

EMERGENCY PROCEDURE/ENVIORNMENTAL PRECAUTIONS—Shut of all possible sources of ignition. clear area of all un-protected personnel increase ventilation of contamination of sewers of waterways has occurred advise local emergency services.

PERSONAL PRECAUTIONS/PROTECTIVE EQUIPMENT - Slippery when spilt. avoid accidents clean up immediately wear protective equipment to prevent skin and eye contact and breathing in vapors work up wind or increase ventilation contain prevent run off into drains and waterways use absorbent (soil sand or other inert material) use non-sparking tools collect and seal in properly labelled containers or drums for disposal.

7. HANDLING AND STORAGE

At times oil-soaked materials may spontaneously combust. Use only in well ventilated areas, avoid contact with skin, eyes and clothing.

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION-Avoid breathing product vapour. **VENTILATION**-Ensure good ventilation of working area.

OVERALLS SAFETY SHOES, SAFETY GLASSES, GLOVES

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCES : LIGHT YELLOW

ODOUR : CHARACTERSTIC ODOUR

FLASH POINT : 105°C
BOILING POINT : 89°C
OPT.ROTATION : -1.35
REF.INDEX : 1.5255
SP.GRAVITY : 0.9982

SOLUBILITY : INSOLUBLE IN WATER

10.STABILITY AND REACTIVITY

Conditions to avoid: High temperature near flash point.

Materials to avoid: Strong acids and oxidizing agents.

Hazardous decomposition products: No decomposition if stored normally.

Hazardous reactions: Polymerization not likely to occur

Shelf Life: Minimum 12 months when stored in nitrogen flushed containers.

11. TOXICOLOGICAL INFORMATION

Non toxic product.

12.ECOLOGICAL INFORMATION

Readily biodegradable.

13.DISPOSAL CONSIDERATION

Refer to local government authority for disposal recommendations dispose of material through a licensed waste contractor normally suitable for incineration by an approved agent.

14. TRANSPORT-INFORMATION

Not dangerous product.

Classification: Not classified RID/ADR/IMDG.

15.REGULATORY INFORMATION

In compliance with the requirements in the current cosmetics directives 67/548 EEC et 1999/45/CE.

16.OTHER INFORMATION

The information contained here in is accurate to the best of our knowledge. No liability can be accepted arising out of the use, application or processing of this product. It is the Users responsibility to determine safe conditions for the use of this material

SPECIFICATIONS OF KAEMPFERIA GALANGA OIL

DATED: - 02/03/2022

PRODUCT NAME : KAEMPFERIA GALANGAL OIL

GEOGRAPHICAL ORIGIN : INDIA

MODE OF EXTRACTION : STEAM DISTILLED

DISTILLED OR ___

EXPRESSED ORGAN : ROOT

SPECIFICATIONS OF PHYSICAL PARAMETERS

<u>PROPUGE∱STA</u>NDARD : KAEMPFERIA GALANGAL OIL

ODOUR : LIGHT YELLOW

OPT.ROTATION : CAMPHOR LIKE ODOR

EEF.INDEX : - 3 TO + 8

SP.GRAVITY : 1.4821 TO 1.5450 : 0.8850 TO 1.260

BEST USE BEFORE : 02 YEARS FROM THE DATE OF MFG.

SOLUBILITY : SOLUBLE IN OIL INSOLUBLE IN WATER

STABILITY : STABLE UNDER NORMAL CONDITIONS

REACTIVITY : AVOID OXIDIZING MATERIALS

STORAGE INSTRACTIONS : SHOULD BE STORED BELOW 20°C IN COOL, DRY,

WELL VENTILATED PLACE IN FULLY & TIGHTLY SEALED CONTAINERS. PROTECTED FROM LIGHT & KEEP AWAY FROM ANY SOURCE OF IGNITION/FIRE.



Vegetarian & Vegan Suitability Statement

PRODUCT NAME: Galangal Essential Oil

MADAR Corporation Limited can confirm that the above listed product has not been tested in animals and does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.