### CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION	ANISEED ESSENTIAL OIL
APPEARANCE	COLOURLESS -PALE YELLOW LIQUID

BATCH NUMBER BEST BEFORE END 4536303 03/2027

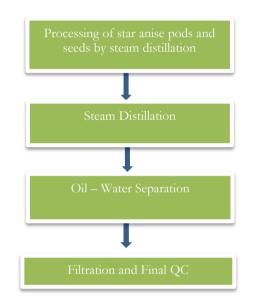
ANALYSIS	RESULTS	SPECIFICATION
Refractive Index 20degC	1.554	>= 1.550 <= 1.560
Optical Rotation	0.7	>= -2.0 <= 1.0
Density (g/ml,20c)	0.979	>= 0.978 <= 0.992
Solubility in X vols (90% EtOH)	2	<= 3

### Allergen Analysis

Product Name Product Code : ANISEED ESSENTIAL OIL : OEANIS

flavour ingradiant		Concentration present as a percentage (%) or 'A' for absent in flavour		
flavour ingredient	CAS No.	Added as such	From natural & other sources	Total
alpha-iso-Methylionone	127-51-5	A	А	
Amyl Cinnamal	122-40-7	A	А	
Amylcinnamyl Alcohol	101-85-9	A	А	
Anise Alcohol	105-13-5	A	А	
Benzyl Alcohol	100-51-6	A	А	
Benzyl Benzoate	120-51-4	A	А	
Benzyl Cinnamate	103-41-3	A	А	
Benzyl Salicylate	118-58-1	A	А	
Butylphenyl Methylpropional (Lilial)	80-54-6	A	А	
Cinnamal	104-55-2	A	А	
Cinnamyl Alcohol	104-54-1	A	А	
Citral	5392-40-5	A	А	
Citronellol	106-22-9	A	А	
Coumarin	91-64-5	A	А	
Eugenol	97-53-0	A	А	
Evernia Furfuraceae (Tree Moss) Extract	90028-67-4	A	А	
Evernia Prunastri (Oak Moss) Extract	90028-68-5	A	А	
Farnesol	4602-84-0	A	А	
Geraniol	106-24-1	A	А	
Hexyl Cinnamal	101-86-0	A	А	
Hydoxycitronellal	107-75-5	A	А	
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde (Lyral)	31906-04-4	A	А	
Isoeugenol	97-54-1	A	А	
Limonene	5989-27-5	A	2.00	2.0
Linalool	78-70-6	A	1.00	1.0
Methyl 2-Octynoate	111-12-6	A	А	

The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. We will not therefore accept liability for misuse of this data resulting in damage or loss.



#### Production of Aniseed Oil

### **GMO** Declaration

According to 1829/2003/EC

DfcXi Vh Name Product Code : ANISEED ESSENTIAL OIL : OEANIS

We have carefully reviewed the ingredients in this product for their potential genetically modified (GM) origin. The list includes ingredients which may be produced from other GM ingredients

Material	Present	Of GMO Origin
Chicory	No	-
Cotton	No	-
Maize	No	-
Potato	No	-
Rape	No	-
Soya	No	-
Sugar Beet	No	-
Tomato	No	-
Wheat	No	-

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Product Name Aniseed Oil

We certify that the above product is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), 50th Amendment

to the IFRA Code of Practice (published June,2021), provided it is used in the following class(es) at a maximum concentration level of:

IFRA Class	Maximum level of use (%)
Category 1	0.30
Category 2	0.58
Category 3	0.30
Category 4	10.50
Category 5A	1.88
Category 5B	0.16
Category 5C	0.30
Category 5D	0.53
Category 6	0.78
Category 7A	0.30
Category 7B	0.30
Category 8	0.05
Category 9	1.25
Category 10A	1.25
Category 10B	1.25
Category 11A	0.05
Category 11B	0.05
Category 12	37.5

### <u>Components</u>

1 Estragole 4% 2 3

The IFRA Standards regarding use restrictions are based on safety assessments by the panel of experts of the RIFM and are enforced by the IFRA Scientific Committee.

This Certificate provides restrictions for use of the specified product based only on those materials restricted by IFRA Standards for the toxicity endpoint(s) described in each Standard. This Certificate does not provide certification of a comprehensive safety assessment of all product constituents. It is the ultimate responsibility of our customer to ensure the safety of the final product with other tests if necessary.

#### ANNEX : Definition of IFRA Classes 50th Amendment

IFRA class	Product application
Category 1	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.)
	Children's toys
Category 2	Deodorant and antiperspirant products of all types including any product with intended or reasonably
	foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deocologne, etc.)
<b>a</b> / <b>a</b>	Body sprays (including body mist)
Category 3	Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.)
	including eye care and moisturizer.
	Facial make up and foundation
	Make-up remover for face and eyes
	Nose pore strips Wipes or refreshing tissues for face, neck, hands, body
	Body and face paint (for children and adults)
	Facial masks for face and around the eyes
Category 4	Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne,
outogory 4	solid perfume, fragrancing cream, aftershaves of all types, etc.)
	Fragranced bracelets
	Ingredients of perfume kits and fragrance mixtures for cosmetic kits
	Scent pads, foil packs
	Scent strips for hydroalcoholic products
Category 5A	Body creams, oils, lotions of all types
	Foot care products (creams and powders)
	Insect repellent (intended to be applied to the skin)
	All powders and talc (excluding baby powders and talc)
Category 5B	Facial toner
	Facial moisturizers and creams
Category 5C	Hand cream
	Nail care products including cuticle creams, etc.
	Hand sanitizers
Category 5D	Baby cream/lotion, baby oil, baby powders and talc
Category 6	Toothpaste
	Mouthwash, including breath sprays Toothpowder, strips, mouthwash tablets
Category 7A	Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes
Category 7B	Hair sprays of all types (pumps, aerosol sprays, etc.)
outogory / D	Hair styling aids non sprays (mousse, gels, leave- on conditioners)
	Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes
	Shampoo - Dry (waterless shampoo)
	Hair deodorizer
Category 8	Intimate wipes
0,1	Tampons
	Baby wipes
	Toilet paper (wet)
Category 9	Bar soap
	Shampoo of all type
	Cleanser for face (rinse-off)
	Conditioner (rinse-off)
	Liquid soap
	Body washes and shower gels of all types
	Baby wash, bath, shampoo
	Bath gels, foams, mousses, salts, oils and other products added to bathwater Foot care products (feet are placed in a bath for soaking)
	Shaving creams of all types (stick, gels, foams, etc.)
	All depilatories (including facial) and waxes for mechanical hair removal
	Shampoos for pets

IFRA class	Product application
Category 10A	Hand wash laundry detergent (including concentrates) Laundry pre-treatment of all types (e.g.paste, sprays, sticks) Hand dishwashing detergent (including concentrates) Hard surface cleaners of all types (bathroom and kitchen cleansers,furniture polish, etc.) Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates Dry cleaning kits Toilet seat wipes Fabric softeners of all types including fabric softener sheets Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics) Floor wax
	Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc.
Category 10B	Ironing water (Odorized distilled water) Animal sprays – sprays applied to animals of all types Air freshener sprays, manual, including aerosol and pump Aerosol/spray insecticides
Category 11A	Feminine hygiene conventional pads,liners, interlabial pads Diapers (baby and adult) Adult incontinence pant, pad Toilet paper (dry)
Category 11B	Tights with moisturizers Scented socks, gloves Facial tissues (dry tissues) Napkins Paper towels Wheat bags Facial masks (paper/protective) e.g.surgical masks not used as medicaldevice Fertilizers, solid (pellet or powder)
Category 12	<ul> <li>Candles of all types (including encased)</li> <li>Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods)</li> <li>Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals)</li> <li>Air delivery systems</li> <li>Cat litter</li> <li>Cell phone cases</li> <li>Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders)</li> <li>Fuels</li> <li>Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays</li> <li>Joss sticks or incense sticks</li> <li>Dishwash detergent and deodorizers – for machine wash</li> <li>Olfactive board games</li> </ul>
	Paints Plastic articles (excluding toys) Scratch and sniff Scent pack Scent delivery system (using dry air technology) Shoe polishes Rim blocks (Toilet)

SAFETY DATA S CLP: According to 2015/830/E	Printed on	14 Jul 2023	
Version 25 Revised 11/	(10/2022 13:35:14		
Section 1. Identification	n of the substance/mixture and of the	e company/u	ndertaking
1.1 Product I dentifier Product Name	ANISEED ESSENTIAL OIL		
Alternative Name			
REACH Reg No	01-2120230257-63-0004		
1.2 Relevant identified	uses of the substance or mixture and	d uses advise	ed against
Concentrated material	for manufacturing purposes only		
1.3 Details of the supp	lier of the safety data sheet		
	Madar Corporation Limited 19 - 20 Sandleheath Industrial Estate Fordingbridge SP6 1PA		
Telephone Number	+44 (0)1425 655555		
Email Address	technical@madarcorporation.co.uk		
1.4 Emergency Tel No	+44 (0)20 8854 8101		
Section 2. Hazard I dent	tification		
2.1 Classification of th	e substance or mixture		
SS 1	Skin sensitisation, category 1		
MUT 2	Germ cell mutagenicity, category 2		
CAR 2 EH C3	Carcinogenicity, category 2 Aquatic hazard, chronic, category 3		
2.2 CLP Label elements			

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CLP classification Hazard Pictogra	according to Regulation (EC) No 1272	/2008	
Signal Word	Warning		
Hazard Stateme	ents		
H317	May cause an allergic skin react	ion	
H341	Suspected of causing genetic de	efects	
H351	Suspected of causing cancer		
H412	Harmful to aquatic life with long	J lasting effects	
Precautionary S	itatements		
P273	Avoid release to the environmer	nt.	
P280	Wear protective gloves and eye	protection	
P302+P352	IF ON SKIN: Wash with plenty c	of water.	
P308+P313	IF exposed or concerned: Get m	nedical advice.	
P333+P313	If skin irritation or rash occurs:	Get medical advice.	
P391	Collect spillage.		
	s ne and Linalool which may produce an ation available at this time	allergic reaction	
	ition / information on ingredients ted here for hazardous components are for illustrative pu	irposes only	
3.1 Substances Description EC/EINECS CAS Number USCAS Number	ANISEED ESSENTIAL OIL 283-518-1 84650-59-9 68952-43-2		

### SAFETY DATA SHEET

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ID Numbers	Chemical Name, Classification and Hazards	Conc (%)
CAS 4180-23-8 EINECS 224-052-0 REACH	Anethole SS 1B H317	90.0000
CAS 140-67-0 EINECS 205-427-8 REACH	Estragole (Methyl chavicol) ATO 4(1230);SS 1B;CAR 2;MUT 2 H302,H317,H341,H351	4.0000
CAS 78-70-6 EINECS 201-134-4 REACH	Linalool SCI 2;SS 1B;EDI 2 H315,H317,H319	1.0000
CAS 80-56-8 EINECS 201-291-9 REACH	alpha-Pinene AH 1; SCI 2; SS 1B; EH A1, C1 H304, H315, H317, H400, H410	0.6000
CAS 5989-27-5 EINECS 227-813-5 REACH	d-Limonene (p-Mentha-1,8-diene) AH 1; SCI 2; SS 1B; EH A1, C1 H304, H315, H317, H400, H410	0.5000
CAS 586-62-9 EINECS 209-578-0 REACH	Terpinolene AH 1; SS 1B; EH A1, C1 H304, H317, H400, H410	0.1000

Refer to section 16 for the wording of listed classification and hazard statement codes

#### Section 4. First Aid measures

Take phrases in section 2 into account

4.1 Description of first aid measures

#### After inhalation

Remove from the exposure area to fresh air. Contact a doctor if necessary.

#### After skin contact

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

#### After eye contact

Flush with plenty of water and seek medical advice if necessary.

#### After ingestion

Wash mouth with plenty of water and obtain medical advice immediately.

### 4.2 Most important symptoms and effects, both acute and delayed No further information available at this time

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4.3 Indication of immediate medical attention and special t No further information available at this time	reatment nee	eded
Section 5. Fire-fighting measures		
<ul> <li>5.1 Extinguishing Media</li> <li>Carbon dioxide, foam or dry powder</li> <li>DO NOT USE A DIRECT WATER JET.</li> <li>5.2 Special hazards arising from the substance or mixture</li> <li>May produce Carbon dioxide and unidentified organic compound</li> </ul>	ds.	
5.3 Advice for fire-fighters Wear protective clothing and avoid inhalation of vapours.		
Section 6. Accidental release measures		
<ul> <li>6.1 Personal precautions, protective equipment and emerge Remove all sources of ignition.</li> <li>Avoid inhalation, skin and eye contact.</li> <li>Ensure proper ventilation.</li> </ul>	ency procedu	ires
6.2 Environmental precautions		
Do not discharge directly into drains or the soil. Keep away fro water	m surface and	ground
6.3 Methods and material for containment and cleaning up		
Soak up spillage with sand or other inert absorbant material survemiculite; transfer used material to a suitable waste container accordance with regulations.		n
6.4 Reference to other sections		
Refer to information in Sections 7, 8 and 13		
Section 7. Handling and storage		
7.1 Precautions for safe handling Maintain good occupational and personal hygiene. Avoid inhalat and eyes.	ion and contac	ct with skin
7.2 Conditions for safe storage, including any incompatibility Store in tightly sealed original containers away from ignition so		cool place.
7.3 Specific end use(s) No further information available		

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Section 8. Exposure controls / pers	sonal protection		
8.1 Control Parameters No information available			
	hemical personal protective equipment advice.		
Always wash routinely before break Eye/face protection Wear safety goggles.	Always wash routinely before breaks, meals and at the end of the work period. Eye/face protection		
Hand protection Wear chemically resistant disposable	le gloves.		
Other skin protection Wear overalls. Always wash routinely before breaks, meals and at the end of the work period. Respiratory protection Not generally required. Use inhalation protection in poorly ventilated areas			
Thermal hazards No information available			
Environmental exposure control No information available	S		
Section 9. Physical and chemical p	roperties		
9.1 Information on basic physical FLASH POINT (°C)	and chemical properties 95		
Colour	PALE YELLOW		
Aroma	TYPICAL SWEET ANISE CHARACTER		
Solubility	INSOLUBLE		
9.2 Other information No further information available			

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Section 10. Stability and reactivity	
10.1 Reactivity Not determined	
10.2 Chemical Stability Not determined	
10.3 Possibility of hazardous reactions Not determined	
10.4 Conditions to avoid Extreme temperatures	
10.5 Incompatible materials Highly reactive chemicals which may produce unknov additional hazards.	vn reaction products and so cause
10.6 Hazardous decomposition products Not determined	
Section 11. Toxicological information	
11.1 Information on toxicological effects	
Acute toxicity	
Skin corrosion / irritation No data available	
Serious eye damage / irritation No data available	
Respiratory or skin sensitisation No data available	
Germ cell mutagenicity No data available	
Carcinogenicity No data available	
Reproductive toxicity No data available	

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STO-single exposure

No data available

STO-repeated exposure

No data available

Aspiration hazard

No data available

Information on likely routes of exposure

No data available

Symptoms related to the physical, chemical and toxicological characteristics No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data available

Interactive effects

No data available

Other information

No data available

#### Section 12. Ecological information

#### 12.1 Toxicity

No data available; avoid soil, surface water and water-bearing stratum contamination.

- 12.2 Persistence and degradability No data available
- 12.3 Bioaccumulative potential No data available
- 12.4 Mobility in soil No data available
- 12.5 Results of PBT and vPvB assessment No data available
- 12.6 Other adverse effects No data available

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Section 13. Disposa Please refer to the in	l considerations formation in section 8 (Exposure controls and personal protection)						
13.1 Waste treatme							
	nce with the law and local regulations. Treat as trade effluent.						
Section 14. Transpo	rt information						
14.1 UN number	Not Regulated						
14.2 UN proper shipping name							
14.3 Transport haz	ard class(es)						
14.4 Packing group							
Tunnel Code							
14.5 Environmental Hazards Marine Pollutant - contains environmentally hazardous substances (LIMONENE)							
14.6 Special precau No relevant inform							
14.7 Transport in b Not applicable	oulk according to Annex II of MARPOL73/78 and the IBC Code						
Section 15. Regulate	ory information						
15.1 Safety, health substance or mixtu	and environmental regulations/legislation specific for the re						
No relevant inform	ation available at this time						
15.2 Chemical safe	ty assessment						
	assessment has not been carried out						
Section 16. Other in	formation						
Full list of precau	utionary phrases						
P262	Do not get in eyes, on skin, or on clothing.						
P273	Avoid release to the environment.						
P280	Wear protective gloves and eye protection						
P302+P352	IF ON SKIN: Wash with plenty of water.						
P308+P313	IF exposed or concerned: Get medical advice.						

### SAFETY DATA SHEET

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P333+P313 P362+P364 P391	If skin irritation or rash occurs: Get medical advice. Take off contaminated clothing and wash it before reuse. Collect spillage.					
Wording of any hazard classes listed in section 3						
0 9						
FL 3	Flammable liquid, category 3					
ATO 4	Acute toxicity, oral, category 4					
AH 1	Aspiration hazard, category 1					
SCI 2	Skin corrosion/irritation, category 2					
SS 1B	Skin sensitisation, category 1B					
EDI 2	Eye damage/irritation, category 2					
MUT 2	Germ cell mutagenicity, category 2					
CAR 2	Carcinogenicity, category 2					
EH A1	Aquatic hazard, acute, category 1					
EH C1	Aquatic hazard, chronic, category 1					
Wording of any haza	rd statements listed in section 3					
H226	Flammable liquid and vapour					
H302	Harmful if swallowed					
H304	May be fatal if swallowed and enters airways					
H315	Causes skin irritation					
H317	May cause an allergic skin reaction					
H319	Causes serious eye irritation					
H341	Suspected of causing genetic defects					
H351	Suspected of causing cancer					
H400	Very toxic to aquatic life					
H410	Very toxic to aquatic life with long lasting effects					



Product Name	:	ANISEED ESSENTIAL OIL			
Reference	:	RCP-78653			
Classification	:	KOS			
Flash Point deg C	:	>65			
Aroma / Taste	:	TYPICAL SWEET ANISE CHARACTER			
Appearance / Physical State	:	PALE YELLOW LIQUID			
Composition	:	Illicium verum			
Refractive Index 20degC		>= 1.550 <= 1.560			
Optical Rotation		>= -2.0 <= 1.0			
Density (g/ml,20c)		>= 0.978 <= 0.992			

<= 3

Solubility in X vols (90% EtOH)

Shelf Life : 24 Months (if stored in full airtight containers, protected from heat and direct sunlight)

Version Number : 12 Version Date : 27 January 2015

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

Veg <b>an</b> Declaration				
cXi Wh Name : ANISEED ESSENTIAL OIL roduct Code : OEANIS				
	[	1		
	Vegan	Y	No ingredients of animal origin or animal derivatives, including additives and processing aids	
	Vegetarian	Y	No ingredients of animal origin, including additives and processing aids. No egg or dairy; bee products are allowed	
	Ovo-lacto Vegetarian	Y	May include egg, dairy and bee products. No other ingredients of animal origin or animal derivatives, including additives and processing aids are allowed	
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