CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION
APPEARANCE
YOUR CODE
BATCH NUMBER
Best Before

BERGAMOT CALABRIAN PALE YELLOW TO YELLOW-GREEN LIQUID OEBERGCALA 4525903 NOVEMBER 2026

ANALYSIS	RESULTS	SPECIFICATION	
Refractive Index 20degC	1.471	>= 1.470 <= 1.490	
Density (g/ml,20c)	0.847	>= 0.845 <= 0.865	

Allergen Analysis

Compound Name : Bergamot Calabrian

fragrance ingredient	CAS No.	Concentration present as a percentage (%) or 'A' for absent in fragrance		
		Added as such	From natural & other sources	Total
alpha-iso-Methylionone	127-51-5	A	А	
Amyl Cinnamal	122-40-7	A	A	
Amylcinnamyl Alcohol	101-85-9	A	A	
Anise Alcohol	105-13-5	A	A	
Benzyl Alcohol	100-51-6	A	A	
Benzyl Benzoate	120-51-4	A	А	
Benzyl Cinnamate	103-41-3	A	A	
Benzyl Salicylate	118-58-1	A	A	
Butylphenyl Methylpropional (Lilial)	80-54-6	A	A	
Cinnamal	104-55-2	A	A	
Cinnamyl Alcohol	104-54-1	A	A	
Citral	5392-40-5	A	0.12	0.1
Citronellol	106-22-9	А	0.00	0.0
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	А	А	
Geraniol	106-24-1	A	0.01	0.0
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	73.62	73.6
	7705-14-8			
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 Bergamot Oil



GMO Statement

PRODUCT NAME: Bergamot Calabrian Essential Oil

MADAR Corporation Limited can confirm that the above listed product is GMO Free.

1-12-2023

Product Name Bergamot Calabrian

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	1.6
Category 2	1.6
Category 3	1.6
Category 4	1.6
Category 5A	1.6
Category 5B	1.6
Category 5C	1.6
Category 5D	1.6
Category 6	1.6
Category 7A	100
Category 7B	1.6
Category 8	1.6
Category 9	100
Category 10A	100
Category 10B	1.6
Category 11A	1.6
Category 11B	1.6
Category 12	100

Components:

Limonene	74%
Linalol	1%
Citral	0.12%
Citronellol	0.01%
Geraniol	0.01%

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.)
	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,
	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
category en	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
0,	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.)
	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
	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	Candles of all types (including encased) Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods) 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) Air delivery systems Cat litter Cell phone cases Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders) Fuels Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays Joss sticks or incense sticks Dishwash detergent and deodorizers – for machine wash Olfactive board games

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 22 June 2021
Version 2 Revised 22/0 08:46:55	06/2021	
Section 1. Identification	of the substance/mixture and o	f the company/undertaking
1.1 Product I dentifier Product Name Code Number Alternative Name	Bergamot Calabrian	
REACH Reg No	Not registered	
1.2 Relevant identified	uses of the substance or mixture	and uses advised against
Concentrated material	for manufacturing purposes only	
1.3 Details of the supp	ier of the safety data sheet Madar Corporation Limited 19-20 Sandleheath Industrial Estate Fordingbridge SP6 1PA	9
Telephone Number Email Address	+44 (0)1425 655 555 technical@madarcorporation.co.uk	
1.4 Emergency Tel No	+44 (0)1425 655 555	
Section 2. Hazard I dent	ification	
2.1 Classification of the	e substance or mixture	
FL 3	Flammable liquid, category 3	
AH 1	Aspiration hazard, category 1	
SCI 2	Skin corrosion/irritation, category 2	
SS 1	Skin sensitisation, category 1	
EH C2	Aquatic hazard, chronic, category 2	

SAFETY DATA CLP: According to 2015/8 Version 2 Revised 2 08:46:55	330/EU	Printed on 22 June 2021
CLP Label elements CLP classification a Hazard Pictograr	ccording to Regulation (EC) No 1272/2008
Signal Word	Danger	
Hazard Statemer	nts	
H226	Flammable liquid ar	nd vapour
H304	May be fatal if swal	owed and enters airways
H315	Causes skin irritatio	n
H317	May cause an allerg	ic skin reaction
H411	Toxic to aquatic life	with long lasting effects
Precautionary St	atements	
P273	Avoid release to the	e environment.
P280	Wear protective glo	ves and eye protection
P301+P310	IF SWALLOWED: In	mediately call a POISON CENTRE.
P302+P352	IF ON SKIN: Wash	with plenty of water.
P331	Do NOT induce vom	iting.
P333+P313	If skin irritation or i	ash occurs: Get medical advice.
allergic reaction	ronellol, Geraniol, Limon tion available at this time	ene and Linalool which may produce an
Section 3. Composit	ion / information on in d here for hazardous components are	ngredients
3.2 Mixtures Complex mixture c	f fragrance ingredients	

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Hazardous components		
ID Numbers	Chemical Name, Classification and Hazards	Conc (%)
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	>=25%
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	>=5%,<10%
CAS 99-85-4 EINECS 202-794-6 REACH	gamma-Terpinene (p-Mentha-1,4-diene) FL 3;AH 1 H226,H304	>=3%,<5%
CAS 138-86-3 EINECS 205-341-0 REACH	d,I-Limonene (Dipentene) AH 1;SCI 2;SS 1B;EH A1,C1 H304,H315,H317,H400,H410	>=3%,<5%
CAS 115-95-7 EINECS 204-116-4 REACH	Linalyl acetate SCI 2;EDI 2 H315,H319	>=3%,<5%
CAS 123-35-3 EINECS 204-622-5 REACH	Myrcene FL 3;AH 1;SCI 2;EDI 2 H226,H304,H315,H319	>=1%,<3%
CAS 78-70-6 EINECS 201-134-4 REACH	Linalool SCI 2; SS 1B; EDI 2 H315, H317, H319	>=1%,<3%
CAS 127-91-3 EINECS 204-872-5 REACH	beta-Pinene AH 1; SCI 2; SS 1B; EH A1, C1 H304, H315, H317, H400, H410	>=0.1%,<1%

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

Section 4. First Aid measures

Take phrases in sections 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.

SAFETY DATA SHEET CLP: According to 2015/830/EU	Printed on	22 June 2021
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After ingestion Wash mouth with plenty of water and obtain medical advice	e immediately.	
4.2 Most important symptoms and effects, both acute a No further information available at this time	nd delayed	
4.3 Indication of immediate medical attention and spec No further information available at this time	ial treatment	needed
Section 5. Fire-fighting measures		
5.1 Extinguishing Media		
Carbon dioxide, foam or dry powder. DO NOT USE A DIRECT WATER JET.		
5.2 Special hazards arising from the substance or mixtu	ıre	
May produce Carbon dioxide and unidentified organic comp	ounds.	
5.3 Advice for fire-fighters		
Wear protective clothing and avoid inhalation of vapours. K water spray	eep containers	cool with
Section 6. Accidental release measures		
 6.1 Personal precautions, protective equipment and em Remove all sources of ignition. Avoid inhalation, skin and eye contact. Ensure proper ventilation. 	ergency proce	edures
6.2 Environmental precautions		
Do not discharge directly into drains or the soil. Keep away water	y from surface a	and ground
6.3 Methods and material for containment and cleaning	•	
Soak up spillage with sand or other inert absorbant materia vemiculite; transfer used material to a suitable waste conta accordance with regulations.		
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 inl	nalation and co	ntact with skin
and eyes.		

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7.2 Conditions for safe storage, in Store in tightly sealed original cont	cluding any incompatibilities ainers away from ignition sources and in a cool place.
7.3 Specific end use(s) No further information available	
Section 8. Exposure controls / per	sonal protection
8.1 Control Parameters No information available	
8.2 Exposure controls Engineering controls No information available	
	chemical personal protective equipment advice. ks, meals and at the end of the work period.
Hand protection Wear chemically resistant disposab	le gloves.
period. Respiratory protection	ely before breaks, meals and at the end of the work tion protection in poorly ventilated areas
Thermal hazards No information available	
Environmental exposure contro No information available	ls
Section 9. Physical and chemical p	roperties
9.1 Information on basic physical FLASH POINT (°C)	and chemical properties 48
Colour	pale yellow to yellow-green
Aroma	citrus, dry

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9.2 Other information No further information available	
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 unknow additional hazards. 10.6 Hazardous decomposition products Not determined 	wn reaction products and so cause
Section 11. Toxicological information	
11.1 Information on toxicological effects Acute toxicity No data available 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	

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Reproductive toxicity No data available	
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 No data available	and toxicological characteristics
Delayed and immediate effects as well as ch long-term exposure No data available	ronic effects from short and
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 a 12.2 Persistence and degradability No data available 	water-bearing stratum contamination.
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

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12.6 Other adverse effe No data available	cts				
Section 13. Disposal con Please refer to the informa		8 (Exposure controls and personal protection)			
13.1 Waste treatment m Dispose in accordance w		d local regulations. Treat as trade effluent.			
Section 14. Transport inf	ormation				
14.1 UN number	110	59			
14.2 UN proper shipping	g name EX ⁻	FRACTS, AROMATIC, LIQUID			
14.3 Transport hazard c	lass(es) 3				
14.4 Packing group	111				
Tunnel Code	(D/	E)			
14.5 Environmental Haz No relevant information					
14.6 Special precaution No relevant information					
14.7 Transport in bulk a Not applicable	ccording to <i>i</i>	Annex II of MARPOL73/78 and the IBC Code			
Section 15. Regulatory in	nformation				
15.1 Safety, health and substance or mixture No relevant information		al regulations/legislation specific for the			
15.2 Chemical safety as A chemical safety assess	sessment				
Section 16. Other inform	ation				
Full list of precaution	ary phrases				
		eyes, on skin, or on clothing.			
P280	Near protectiv	e gloves and eye protection			

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	P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE.				
	P302+P352	IF ON SKIN: Wash with plenty of water.				
	P331	Do NOT induce vomiting.				
	P333+P313	If skin irritation or rash occurs: Get medical advice.				
	P362+P364	Take off all contaminated clothing and wash it before reuse.				
	P391	Collect spillage.				
	Wording of any hazard classes listed in section 3					
	FL 3	Flammable liquid, category 3				
	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				
	EH A1	Aquatic hazard, acute, category 1				
	EH C1	Aquatic hazard, chronic, category 1				
	Wording of any haza	Vording of any hazard statements listed in section 3				
	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				
	H319	Causes serious eye irritation				
	H400	Very toxic to aquatic life				
	H410	Very toxic to aquatic life with long lasting effects				

PRODUCT SPECIFICATION

Product Name	:	Bergamot Calabrian
Flash Point deg C	:	48
Aroma / Taste	:	CITRUS, DRY
Appearance / Physical State	:	PALE YELLOW TO YELLOW-GREEN LIQUID
Composition	:	NATURAL
Refractive Index 20degC		>= 1.470 <= 1.490
Density (g/ml,20c)		>= 0.845 <= 0.865

Shelf Life : 12 Months (if stored in full airtight containers, protected from heat and direct sunlight)

Version Number : 3 Version Date : 22 June 2021

Vegetarian & Vegan Suitability Statement

PRODUCT NAME: Bergamot Calabrian 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.

1-12-2023