

MYSTIC MOMENTS

CERTIFICATE OF ANALYSIS

PRODUCT BATCH NUMBER HEXYL CINNAMIC ALDEHYDE KAO
4557205
BEST BEFORE DATE October 2027

TEST	UNIT	RESULTS
APPEARANCE		
COLOR		CLEAR MOBILE LIQUID/ SOLID PALE
ODOR		YELLOW TO YELLOW
DENSITY20	(g/ml)	FLORAL,JASMIN,ROSE, GERANIUM LEAVES
REFRACTIVE IND.20		0.956
ACIDITY	(mg KOH/g)	1.5500
GC ANALYSIS ASSAY	(% GC)	0.25
		PROFILE SIMILAR TO STANDARD
		97.58

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

09 October 2023

FRAGRANCE ALLERGENS

Product name: HEXYL CINNAMIC ALDEHYDE

Ingredient	Total content (w/w)
Amyl cinnamic alcohol (CAS 101-85-9)	Not Detected
Amyl cinnamic aldehyde (CAS 122-40-7)	Not Detected
Anisyl alcohol (CAS 105-13-5)	Not Detected
Benzyl alcohol (CAS 100-51-6)	Not Detected
Benzyl benzoate (CAS 120-51-4)	< 0,01%
Benzyl cinnamate (CAS 103-41-3)	Not Detected
Benzyl salicylate (CAS 118-58-1)	Not Detected
Cinnamic alcohol (CAS 104-54-1)	Not Detected
Cinnamic aldehyde (CAS 104-55-2)	Not Detected
Citral (CAS 5392-40-5)	Not Detected
Citronellol (CAS 106-22-9)	Not Detected
Coumarin (CAS 91-64-5)	Not Detected
Eugenol (CAS 97-53-0)	Not Detected
Farnesol (CAS 4602-84-0)	Not Detected
Geraniol (CAS 106-24-1)	Not Detected
Hexylcinnamic aldehyde (CAS 101-86-0)	< 99,9%
Hydroxycitronellal (CAS 107-75-5)	Not Detected
Hydroxymethylpentylcyclohexene carboxaldehyde (Lylal) (CAS 31906-04-4)	Not Detected
Isoeugenol (CAS 97-54-1)	Not Detected
D-Limonene (CAS 5989-27-5)	Not Detected
Linalool (CAS 78-70-6)	Not Detected
2-methyl-3-(4-(1,1-dimethyl ethyl) phenyl)propanal (Lilial) (CAS 80-54-6)	Not Detected
Methyl heptine carbonate (CAS 111-12-6)	Not Detected
Gamma-methylionone (iso-alfa-Methylionone) (3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one) (CAS 127-51-5)	Not Detected
Treemoss (Evernia furfuracea) (CAS 90028-67-4)	Not Detected
Oakmoss (Evernia prunastri)(CAS 90028-68-5)	Not Detected

Detection limit: 10 ppm

This list comprises references 45, 67-78 and 80-92 in Annex III to Regulation (EC) 1223/2009 (the Cosmetics Regulation).

It also contains the substance known as Lylal, which was withdrawn from Annex III on 23 August 2021.

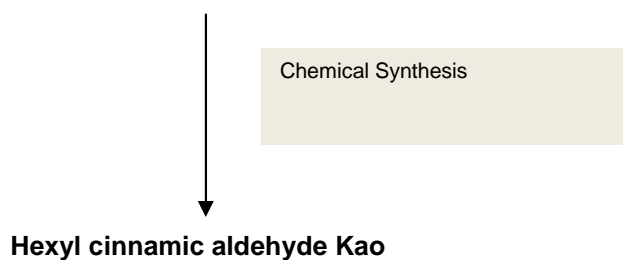
Version date: 1 March 2012

MYSTIC MOMENTS

Flowchart of the Production Process

Product: HEXYL CINNAMIC ALDEHYDE

Raw materials of natural and/or mineral and/or petrochemical origin



Information provided by our supplier(s) and/or according to literature data.

MYSTIC MOMENTS

GMO CERTIFICATE

09 October 2023

Product: HEXYL CINNAMIC ALDEHYDE

This is to certify that, to the best of our knowledge, the above-mentioned product

- does not contain;
- does not consist of;
- is not derived from;
- is not produced with the help of

genetically modified organisms (GMO) or derivative ingredients as per EU Directive 2001/18/EC.

Foods containing this product are not subject to the labelling requirements of Regulations (EC) 1829/2003 and 1830/2003.

This material complies with article 9 of Regulation (EC) 834/2007 and article 11 of Regulation (EU) 2018/848 regarding the prohibition on the use of GMOs in organic production.

The information indicated above corresponds to our knowledge at the date of issue

This document is electronically generated and therefore it is not signed.

IFRA CONFORMITY CERTIFICATE

Product: **HEXYL CINNAMIC ALDEHYDE KAO**

We certify that the above-mentioned product is in compliance with the Standards of the International Fragrance Association (IFRA) up to and including the 51st Amendment to the IFRA Standards (published June 2023), provided it is used in the following categories at a maximum concentration level of ⁽¹⁾:

Category 1	1,83%	⁽²⁾	Category 7A	20,3%
Category 2	0,54%		Category 7B	20,3%
Category 3	11,17%		Category 8	1,02%
Category 4	10,05%		Category 9	19,29%
Category 5A	2,54%		Category 10A	70,05%
Category 5B	2,54%		Category 10B	70,05%
Category 5C	2,54%		Category 11A	38,58%
Category 5D	2,54%		Category 11B	38,58%
Category 6	5,89%	⁽²⁾	Category 12	Not restricted

⁽¹⁾ the concentration of a fragrance ingredient should not exceed the usual concentration of the fragrance compound in the finished product.

⁽²⁾ IFRA would recommend that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution and, where these are lacking, with the recommendations laid down in the Code of Practice of IOFI (International Organisation of the Flavour Industry).

Please note this certificate does not include food status conformity check. A separate document, which may be available depending on the product, is needed for such purpose.

Contains the following substances restricted by IFRA standards:

ALPHA HEXYL CINNAMIC ALDEHYDE	< 98,5%
BENZYL ALCOHOL	< 0,01%
BENZYL BENZOATE	< 0,03%
ALPHA AMYL CINNAMIC ALDEHYDE	< 0,05%

and bears no IFRA specification.

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. It does not provide certification of a comprehensive safety assessment of all product constituents.

Version Date: 25 January 2024

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HEXYL CINNAMIC ALDEHYDE

Revision date: 23-01-2023
 Version: 4.0/CLP/EN

Print Date: 09-10-2023
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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1. Identification of the substance/mixture

Trade name: HEXYL CINNAMIC ALDEHYDE KAO
Substance name: HEXYL CINNAMIC ALDEHYDE
CAS Number: 165184-98-5
CE Number: 639-566-4
REACH Registration number: 01-2119533092-50

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

Raw material for the manufacture of fragrances and/or flavourings.

1.3. Details of the supplier of the safety data sheet

Company: Madar Corporation limited
Address: 19 - 20 Sandleheath Industrial Estate
 Fordingbridge
 SP6 1PP A
Telephone:
Fax: 01425 655 555
E-mail: technical@madarcorporation.co.uk

1.4. Emergency telephone number

NCEC (+44) 1865 407333 (24h)
 NCEC (+34) 91 114 2520 (24h) (ES)
 NCEC (+1) 202 464 2554 (24h) (USA, Canada)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Skin sensitizer - Category 1B - H317
 Hazardous to the aquatic environment, short-term (acute) - Category 1 - H400
 Hazardous to the aquatic environment, long term (chronic) - Category 2 - H411

2.2. Label Elements

Hazard pictograms:



Signal Word:

Warning

Hazard statements:

H317 - May cause an allergic skin reaction.
 H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352+P333+P313 - IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
 P362+P364 - Take off contaminated clothing and wash it before reuse.
 P391 - Collect spillage.

Supplemental Hazard Information:

Contains HEXYL CINNAMIC ALDEHYDE. May produce an allergic reaction.

2.3. Other hazards

Product not containing any component that meets the criteria for PBT or vPvB according to Regulation (EC) 1907/2006, Annex XIII.
 Product not containing any component identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.
 This product is oxidized by the oxygen in the air, giving off heat. Paper or tissue soaked in this product may spontaneously ignite. To collect spills of this product, it is necessary to use fireproof materials and then soak them in water.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Chemical name:	HEXYL CINNAMIC ALDEHYDE
CAS number:	165184-98-5
EC number:	639-565-4

Hazardous constituents:

Chemical Name	% (w/w)	CAS No. EC No. Index No.	Classification according to Regulation 1272/2008	Specific Concentration Limit, M-factor, ATE, SVHC
HEXYL CINNAMIC ALDEHYDE	≥50	101-86-0 202-983-3	Skin Sens. 1B - H317 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	ATE (oral): 3100 mg/kg
2-TERTBUTYLHYDROQUINONE	≥0.1; <1	1948-33-0 217-752-2	Acute Tox. 4 (oral) - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	ATE (oral): 500 mg/kg

See the full text of the hazard statements in section 16.

3.2. Mixtures

Not applicable.

SECTION 4. FIRST-AID MEASURES

4.1. Description of necessary first aid measures

Ingestion:	Rinse mouth with water. Obtain medical advice. Keep at rest. Do not induce vomiting.
Eye contact:	In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice.
Inhalation:	Remove person to fresh air and keep at rest. Seek immediate medical advice.
Skin contact:	Take off immediately all contaminated clothing. Thoroughly wash affected skin with soap and water. Seek medical attention if symptoms persist.

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

No information available.

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

No information available.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Water spray, carbon dioxide, dry chemical powder or appropriate foam.
 For safety reasons do not use full water jet.

5.2. Special hazards arising from the substance or mixture

Known or Anticipated Hazardous Products of Combustion: Emits toxic fumes under fire conditions.

5.3. Advice for firefighters

High temperatures can lead to high pressures inside closed containers.
 Avoid inhalation of vapors that are created. Use appropriate respiratory protection.
 Do not allow spillage of fire to be poured into drains or watercourses.
 Wear self-contained breathing apparatus and protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate surrounding areas. Ensure adequate ventilation. Keep unnecessary and unprotected personnel from entering.
 Do not breathe vapor/spray. Avoid contact with skin and eyes. Information regarding personal protective measures: see section 8.

6.2. Environmental precautions

To avoid possible contamination of the environment, do not discharge into any drains, surface waters or groundwaters.

6.3. Methods and materials for containment and cleaning up

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).
Place in covered containers using non-sparking tools and transport outdoors.
Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater).
Ventilate area and wash spill site after material pickup is complete.

6.4. Reference to other sections

Information regarding exposure controls, personal protection and disposal considerations can be found in sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not store or handle this material near food or drinking water. Do not smoke.
Avoid contact with the eyes, skin and clothing. Wear protective clothing and use glasses.
Observe the rules of safety and hygiene at work.
Keep in the original container or an alternative made from a compatible material.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed and preferably full containers in a cool, dry and ventilated area, protected from light.
Keep away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).
Keep away from incompatible materials (see section 10).

7.3. Specific end use(s)

No information available.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

Components with occupational exposure limits:
None known.

8.2. Exposure controls

Appropriate engineering controls:	Measures should be taken to prevent materials from being splashed into the body. Provide adequate ventilation, according to the conditions of use. Use a mechanical exhaust if required.
Eye/Face protection:	Chemical safety goggles are recommended. Wash contaminated goggles before reuse.
Hand Protection:	Chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.
Body protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved.
Respiratory Protection:	In case of insufficient ventilation, use suitable respiratory equipment.
Environmental exposure controls:	Emissions from ventilation or process equipment should be checked to ensure they comply with environmental protection legislation. In some cases, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid/solid
Colour:	Conforms to standard
Odour:	Conforms to standard
Melting point/freezing point:	CA. 4 - 15
Boiling point or initial boiling point and range (°C):	305 (760 mm Hg)
Flammability:	Not determined
Lower and upper explosion limit:	Not determined
Flash point:	165 °C
Auto-ignition temperature:	> 300°C
Decomposition temperature:	Not determined
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	INSOLUBLE IN WATER/SOLUBLE IN ETHANOL
Partition coefficient n-octanol/water (log value):	log Pow 5,3
Vapour pressure:	< 0.02 mm Hg (20°C)
Density and/or relative density:	0,952 - 0,96 g/mL (20°C) / 0,952 - 0,96 (20°C)
Relative vapour density:	7 (AIR = 1)
Particle characteristics:	Not determined

9.2. Other information

9.2.1. Information with regard to physical hazard classes:

No information available.

9.2.2. Other safety characteristics:

No information available

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

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

10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to Avoid

Conditions to Avoid: Excessive heat, flame or other ignition sources.

10.5. Incompatible materials

Avoid contact with strong acids and bases and oxidizing agents.

10.6. Hazardous decomposition products

During combustion may form carbon monoxide and unidentified organic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	Based on the data available, the criteria for classification are not met.
Skin corrosion/irritation	Based on the data available, the criteria for classification are not met.
Serious eye damage/irritation	Based on the data available, the criteria for classification are not met.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	Based on the data available, the criteria for classification are not met.
Carcinogenicity	Based on the data available, the criteria for classification are not met.
Reproductive toxicity	Based on the data available, the criteria for classification are not met.
STOT-single exposure	Based on the data available, the criteria for classification are not met.
STOT-repeated exposure	Based on the data available, the criteria for classification are not met.
Aspiration hazard	Based on the data available, the criteria for classification are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties:

Product not containing any component identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

11.2.2. Other information:

No information available

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Assessment:

Very toxic to aquatic life with long lasting effects.

Experimental/calculated data:

No information available.

12.2. Persistence and degradability

The product is readily biodegradable

12.3. Bioaccumulative potential

No information available.

12.4. Soil mobility

No information available.

12.5. Results of PBT and vPvB assessment

Product not containing any component that meets the criteria for PBT or vPvB according to Regulation (EC) 1907/2006, Annex XIII.

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Revision date: 23-01-2023

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12.6. Endocrine disrupting properties

Product not containing any component identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

12.7. Other adverse effects

See also sections 6, 7, 13 and 15

Do not allow to get into waste water or waterways.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of in accordance with national and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

	ADR/RID/ADN	IMDG	IATA-ICAO
14.1. UN Number	UN3082	UN3082	UN3082
14.2. UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXYL CINNAMIC ALDEHYDE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXYL CINNAMIC ALDEHYDE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXYL CINNAMIC ALDEHYDE)
14.3. Transport Hazard Class(es)	9	9	9
14.4. Packing Group	III	III	III
14.5. Environmental hazards	Yes	Yes	Yes
Additional information			

14.6 Special precautions for user

None known

14.7. Maritime transport in bulk according to IMO instruments

No information available

SECTION 15: REGULATORY INFORMATION

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

No information available

15.2. Chemical safety assessment

No information available

SECTION 16: OTHER INFORMATION

Full text of the R-phrases, hazard statements and precautionary statements mentioned in section 3:

H302 – Harmful if swallowed.

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.

H411 – Toxic to aquatic life with long lasting effects.

MYSTIC MOMENTS

SPECIFICATION SHEET

VERSION 4,00 **VERSION DATE** 08/10/21 **PRINT DATE** 09/10/23

PRODUCT HEXYL CINNAMIC ALDEHYDE Industrial
APPLICATIONS raw material not intended for direct use.
IUPAC NAME 2-(PHENYLMETHYLENE)-OCTANAL
SYNONYMS ALPHA-N-HEXYLCINNAMIC ALDEHYDE

FORMULA C15 H20 O
MOLECULAR WEIGHT 216,00
CAS 165184-98-5
CAS 2 101-86-0
EINECS 639-566-4
EINECS 2 202-983-3
FEMA 2569
TARIFF NUMBER 2912290090
KOSHER CERTIFICATE AVAILABLE ON REQUEST

REACH REGISTRATION NO. 01-2119533092-50

SPECIFICATIONS

ASPECT AT 20°C CLEAR MOBILE LIQUID / SOLID
COLOUR PALE YELLOW TO YELLOW
ODOUR FLORAL,JASMIN,ROSE, GERANIUM LEAVES
TASTE
DENSITY AT 20°C (g / ml) 0,952 - 0,960
DENSITY 25/25
REFRACTIVE INDEX nD20 1,5470 - 1,5530
REFRACTIVE INDEX nD25
OPTICAL ROTATION (°)
BOILING POINT (°C) 305 (760 mm Hg)
MELTING POINT (°C) CA. 4 - 15
FLASH POINT (°C) 165,00
ASSAY (% GC) > 96%, TRANS > 90%
ACID VALUE (mg KOH/g) < 0,5
SOLUBILITY INSOLUBLE IN WATER
VAPOUR PRESSURE < 0,02 mm Hg (20°C)
OTHER SOLUBILITIES SOLUBLE IN ETHANOL

OTHER TECHNICAL DATA IT MAY SOLIDIFY AT LOW TEMPERATURES. NITROGEN HEADSPACE ATMOSPHERE IS RECOMMENDED FOR PRESERVATION OF THE PRODUCT.

STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 18 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.
STABILIZED WITH 1000 ppm TBHQ (TERT-BUTYLHYDROQUINONE) AS ANTIOXIDANT. DO NOT HEAT AT MORE THAN 50°C

WE BELIEVE THE ABOVE INFORMATION TO BE CORRECT BUT WE DO NOT PRESENT IT AS ALL INCLUSIVE AND AS SUCH SHOULD BE USED AS A GUIDE. IT IS THE SOLE RESPONSIBILITY OF THE RECEIVER OF OUR PRODUCT TO COMPLY WITH EXISTING REGULATIONS AND INSTRUCTIONS.

MYSTIC MOMENTS

VEGAN CERTIFICATE

09 October 2023

Product: HEXYL CINNAMIC ALDEHYDE

This is to certify that, to the best of our knowledge, the above-mentioned material is suitable for the following diets:

Vegan

Does not contain any ingredient of animal origin (mammalian, poultry, fish, crustacean, mollusc) or animal derivatives (dairy, egg and bee products) including additives and processing aids.

In addition, we confirm that it complies with the requirements listed on the Criteria of the V-label: Regulations, that can be found in https://www.v-label.eu/regulations_text

Vegetarian

Does not contain any ingredient of animal origin (mammalian, poultry, fish, crustacean, mollusc) or dairy and egg products, including additives and processing aids. Bee products (e.g. honey, bees wax) are acceptable.

Ovo-Lacto Vegetarian

Does not contain any ingredient of animal origin (mammalian, poultry, fish, crustacean, mollusc), including additives and processing aids. Dairy, egg and bee products (e.g. honey, bees wax) are acceptable.

'Animal' refers to the entire animal kingdom, i.e. vertebrates and multicellular invertebrates.

The information indicated above corresponds to our knowledge at the date of issue

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