



Certificate of analysis

Product: Naticide
Batch Number: 4439707
Best Before End: July 2024

PRODUCT

NATICIDE

DETERMINATIONS	RESULTS	IN-HOUSE LIMITS
Organoleptic Control MCQC01 <i>Aspect</i> <i>Color</i> <i>Odor</i>	Complies Complies Complies	Clear liquid from colourless to Pale yellow Complies
Refractive Index MCQC14 <i>Refractive Index</i>	1.511	min. 1,491 max. 1,516
IR MCQC29 <i>IR identification</i>	Complies	Complies
Total Count MCQC22 <i>Total Count</i> <i>TAMC</i> <i>TYMC</i>	0 UFC 0 UFC 0 UFC	n.m.t. 100 UFC n.m.t. 100 UFC n.m.t. 10 UFC
Pathogens Research MCQC27 <i>St. Aureus Research</i> <i>Ps. Aeruginosa Research</i> <i>Candida Albicans Research</i>	Absent/1g Absent/1g Absent/1g	Absent/1g Absent/1g Absent/1g

This Certificate of Analysis has been issued electronically without signature



13th May, 2019

IFRA STATEMENT

According to our current knowledge and to our suppliers' declarations, we hereby certify that the product

NATICIDE

(INCI: Parfum)

is restricted by the Standards of the International Fragrance Association (IFRA, 48th Amendment published on June 2015), provided it is used at the following maximum concentration levels in the finished product*:

IFRA Category	Maximum concentration level (%)
Category 1 (Lip Products)	28%
Category 2 (Deodorants/Antiperspirants)	28%
Category 3A, 3B, 3C, 3D (Hydroalcoholics for Shaved Skin/Baby Creams, Lotions, Oils)	71%
Category 4A, 4B, 4C, 4D (Hydroalcoholics for Unshaved Skin)	71%
Category 5 (Hand Cream/Baby Powder and Talc)	71%
Category 6 (Mouthwash)	100%
Category 7A, 7B (Intimate Wipes/Baby Wipes)	57%
Category 8A, 8B (Hair Styling Aids)	71%
Category 9A, 9B, 9C (Rinse-off Hair Conditioners/Shampoos of all types (including baby shampoos)/ Body Washes of all types (including baby washes)	71%
Category 10A, 10B (Hard Surface Cleaners)	71%
Category 11 (Candles)	100%

*The concentration of the fragrance ingredient should not exceed the usual concentration of the fragrance compound in the finished product. For further details, please refer to the suggested dosage in technical data sheet.

For other kinds of application or use at higher concentration levels, a new evaluation may be needed.

The IFRA Standards are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM).

LIST OF ALLERGENS

List of Allergens listed in Annex III of Cosmetics Regulation (EC) N. 1223/2009 concerning the product:

NATICIDE
(INCI: Parfum)

ALLERGENS	RESULT	UNIT OF MEASURE	LQ	METHOD
2-(4-Tert-Butylbenzyl)Propionaldehyde (lilial) [80-54-6]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Alpha-cetone [127-51-5]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Amyl Cinnamal [122-40-7]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Amylcinnamyl Alcohol [101-85-9]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Anisyl Alcohol [105-13-5]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Benzyl Alcohol [100-51-6]	< LQ	mg/kg	20	ALLER-GC 2014 Rev.0 - GC-MS
Benzyl Benzoate [120-51-4]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Benzyl Cinnamate [103-41-3]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Benzyl Salicylate [118-58-1]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Beta-Myrcene [123-35-3]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Cinnamal [104-55-2]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Cinnamyl Alcohol [104-54-1]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Citral [5392-40-5]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Citronellol [106-22-9]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Coumarin [91-64-5]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Eugenol [97-53-0]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Farnesol [4602-84-0]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Geraniol [106-24-1]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Hexyl Cinnamaldehyde [101-86-0]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Hydroxy-Citronellal [107-75-5]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Hydroxymethylpentylcyclohexenecarboxaldehyde (HMPCCA) [31906-04-4]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Isoeugenol [97-54-1]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Limonene [5989-27-5]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Linalool [78-70-6]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS
Methylheptin Carbonate [111-12-6]	< LQ	mg/kg	10	ALLER-GC 2014 Rev.0 - GC-MS



GMO Statement

PRODUCT NAME: Naticide

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

06/03/2019

GENERAL STATEMENTS

According to our current knowledge and to our suppliers raw materials declarations,

NATICIDE

(INCI: Parfum)

- **does not contain any nanomaterial** in conformity with article 16 of Cosmetics Regulation (EC) N. 1223/2009;
- **substances classified as CMR of category 1A, 1B and 2** under Part 3 of Annex VI of CLP Regulation (EC) No 1272/2008, in compliance with the requirements of article 15 of Cosmetics Regulation (EC) N. 1223/2009, are not added nor expected;
- **does not derive or contain animal byproducts** and therefore the product is **free from any BSE/TSE transmitting agents**;
- **has been tested on animals for cosmetic purposes** with cut-off date 2003. Therefore, it is in accordance with article 18 of Cosmetics Regulation (EC) N. 1223/2009;
- **does not contain any of the 26 cosmetic allergens** listed in Annex III of Cosmetics Regulation (EC) N. 1223/2009;
- **does not contain any of the substances listed in the Candidate List of Substances of Very High Concern (SVHC)** published by ECHA;
- **does not derived from Genetically Modified Organisms and does not contain GMO**;
- **is based on raw materials that do not contain gluten.**
We further confirm that during the manufacturing process, it does not come into contact with sources of gluten.
No analysis has been performed to assess the absence of gluten in the finished product
- **is not listed in California's Proposition 65 Inventory** (last edition).
Moreover, we confirm that none of the substances included in the above mentioned list is intentionally added to the product.



- has been tested for the presence of **heavy metals**:
 - As < L.O.Q. (0.005 ppm)
 - Hg < L.O.Q. (0.005 ppm)
 - Cd < L.O.Q. (0.005 ppm)
 - Ni < 0.03 ppm
 - Pb < L.O.Q. (0.005 ppm)

- has not been treated with **ionising radiation**;

- the manufacturing process does not involve any of the **substances listed in Annex II of Cosmetics Regulation (EC) N. 1223/2009**;

- based on manufacturing process, the following substances are not added/nor expected:
 - **soy**
 - **palm oil / coconut oil**
 - **ethanol**
 - **camphor**
 - **menthol**
 - **eucalyptol**
 - **silicon**
 - **formaldehyde**
 - **parabens**
 - **sulfates**
 - **syndets (synthetic detergents)**
 - **artificial dyes / colors**
 - **PEGs**
 - **VOCs**

No specific tests have been performed on finished product.

IFRA STATEMENT

According to our current knowledge and to our suppliers’ declarations, Sinerga Spa hereby certifies that the product

NATICIDE
(INCI: Parfum)

The product in order to be in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA - 49th amendment), should not be used at levels exceeding the following ones per category*:

IFRA Category	Maximum concentration level (%)
Category 1 - Leave on products generally applied to lips	83.5
Category 2 - Leave on products generally applied to axillae	74.2
Category 3 - Products generally applied to the face using fingertips	76.3
Category 4 - Fragrancing products generally applied to neck, face and wrists	100
Category 5 - Leave on products applied to the face and body using the hands (palms)	
Category 5 A - Body creams, oils, lotions of all types; Insect repellent; etc	89.2
Category 5 B - Facial moisturizers and creams	77.3
Category 5 C - Hand cream; Nail care products; Hand sanitizers	84.6
Category 5 D - Baby cream/lotion, baby oil, baby powders and talc	72.4
Category 6 – Toothpaste; Mouthwash, including breath sprays; etc	100
Category 7 - Products applied to hair with hand contact	
Category 7 A - Hair permanent or other hair chemical treatments (rinse-off)	99.14
Category 7 B - Hair permanent or other hair chemical treatments (leave-on)	99.14
Category 8 - Products with significant anogenital exposure	72.4
Category 9 - Rinse off products with body and hand exposure	100
Category 10 - Household care products with mostly hand contact	
Category 10 A - Hand wash laundry detergent; etc	100
Category 10 B - Animal sprays; Aerosol/spray insecticides	100
Category 11 - Products with intended skin contact but minimal transfer of fragrance to skin	
Category 11 A - Diapers (baby and adult); etc	72.4
Category 11 B – Napkins; etc	72.4
Category 12 - Products not intended for direct skin contact, minimal or insignificant transfer to skin	100

*The concentration of a fragrance ingredient should not exceed the usual concentration of the fragrance compound in the finished product. For further details, please refer to the suggested dosage in technical data sheet (TDS).

Consider the % of use in Category 1 and Category 6 only if the mixture is food-grade.



IFRA would recommend that any material used to impart parfum or flavoring in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavorings in the Countries of planned distribution and, where these are lacking, with the recommendations laid down in the Code of IOFI (International Organization of the Flavor Industry).

Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards, but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice.

Please note that this certificate does not include food status conformity check.

For other kinds of application or use at higher concentration levels, a new evaluation may be needed.

It contains the following substances restricted by IFRA standards:

Benzyl Alcohol	< 0.7 %
Cinnamic Alcohol	< 0.1 %
Cinnamic Aldehyde	< 0.1 %

The IFRA Standards are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM).

It is the ultimate responsibility of our customer to ensure the safety of the final product (containing this fragrance ingredient) by further testing if need be.



EUROPEAN PRODUCT SAFETY SHEET

Regulation n° 1907/2006/EC ; n° 453/2010/CE

NATICIDE®

SS2001100005 Rev. UK-6 X/2012

Use: raw material for cosmetics

1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1 TRADE NAME : NATICIDE
- 1.2 Chemical description of the substance or formula : Vegetable origin fragrance, obtained with particular and reserved procedure
- 1.3 Use of the substance or formula: raw material for cosmetics
- 1.4 Supplier MADAR Corporation Limited, 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA
Approved sellers: Mystic Moments, New Directions, World of Moulds
- 1.5 Department responsible :
- 1.6 Emergency calls Tel. 01425 653574

2. HAZARDS

- 2.1 If correctly handled, it is not hazardous to humans or to the environment substance
- 2.2 Excluded from all EEC hazard categories, and requires no special labeling

3. COMPOSITION AND INGREDIENT INFORMATION

Product doesn't contain any hazardous substance according to European regulation

- | | | |
|-----|------------------|----------------------------|
| 3.1 | Chemical nature: | Microbial growth inhibitor |
| 3.2 | CAS number: | ----- |
| 3.3 | EINECS number: | ----- |
| 3.4 | INCI name (UE): | Parfum |
| 3.5 | INCI name (USA): | Fragrance |

4. FIRST AID

- 4.1 This is a non-toxic substance for which no special first aid measures are indicated.
- 4.2 In case of contact with eyes, flush with plenty of water for 15 minutes.
- 4.3 In case of ingestion, seek medical advice.

5. FIRE-FIGHTING MEASURES

- Normal extinguishing agents:
- 5.1 Sand
 - 5.2 Carbon dioxide
 - 5.3 Foam
 - 5.4 Sprinklers

6. ACCIDENTAL LEAKAGE MEASURES

- 6.1 Collect with absorbent material (sawdust or sand) and dispose of as required by law

7. STORAGE AND HANDLING

It is not requested any particular device

7.1	Handling:	Normal personal protection devices: gloves, safety glasses
7.2	Storage:	In well sealed containers, in a cool, dark place
7.3	Type of container:	Dark polyethylene containers

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1 Non-hazardous substance, see no. 4 and no 7 above.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Color and appearance:	clear liquid, from colourless to amber yellow
9.2	Odor:	pleasant odor of Almond and Vanilla
9.3	pH :	----
9.4	Flash point:	>100°C
9.5	Solubility: Water solubility:	up to 0.6%; complete in glycols and alcohol
	Oil solubility:	Low
9.6	Refractive Index:	1.491 – 1.516

10. STABILITY AND REACTIVITY

10.1 The substance is stable and poses no threat of hazardous reaction under the storage conditions specified at no. 7 above.

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity (acute oral):	> 2000 mg/kg
11.2	Skin irritation:	Not irritating
11.3	Eye irritation:	Not irritating
11.4	Skin sensitization:	Not irritating

12. ENVIRONMENTAL IMPACT

12.1 Environmentally innocuous

13. DISPOSAL

13.1 The instructions given at no. 6 above ensure safe disposal.

14. TRANSPORTATION

14.1	Road - rail - sea - air
14.2	The substance is not subject to any specific national or international transport regulations

15. REGULATORY INFORMATIONS

- 15.1 It is a non-hazardous substance and thus requires no special labeling.
- 15.2 According to European directive 67/548/EEC 27.06.1967 and 99/45/CE and further modifications and Italian Law (Legislative Decree n°52/97 of 03.02.1997 (G.U. n°58 of 11.03.1997) and further modifications: none of criteria (explosive, combustible, highly flammable, inflammable, very toxic, harmful, corrosive, irritant, sensitizing, carcinogenic, harmful to reproduction, teratogenic, harmful to the environment) is to be applied to any of the substances composing the compound.
- 15.3 Different regulatory:
According to European directive 76/768/EEC 27.07.1976 and 99/45/CE and further modifications and Italian Law no. 713/86 of 10 October 1986 and Legislative Decree n°126/97 of 24.04.1997 and further modifications
No limits on use

16. OTHER INFORMATION

- NATICIDE is a vegetable derived substance with emollient, moisturizing and soothing action. for cosmetic use
- 16.1 In accordance to EU directive 67/548 and n°Regulation n°453/2010/CE, none of criteria (explosive, combustible, highly flammable, inflammable, very toxic, harmful, corrosive, irritant, sensitizing, carcinogenic, harmful to reproduction, teratogenic, harmful to the environment) is to be applied to any of the substances composing the compound
- 16.2 Compatible with all the substances normally used in cosmetics

These information are based on actual level of knowledge.
Their aim is to guarantee particular specifications of product itself.



NATICIDE[®]

a registered trademark of Sinerga

Microbial growth inhibitor

Chemical Nature	Vegetable origin Fragrance, obtained with particular and reserved procedure. Components are standardized and tritated. Formulated according to IFRA recommendations	
INCI name (UE)	Parfum - Profumo	
INCI name (USA)	Fragrance	
Physical-chemical data	Appearance:	clear liquid
	Colour:	from colourless to amber yellow
	Odour:	pleasant odour of Almond and Vanilla
	Solubility :	dispersible in water up to 0.6%; complete in glycole and alcohol
	Refraxion Index:	1.491 – 1.516
Antimicrobial Activity (MIC)	Broad spectrum of activity against Bacteria Gram+ e Gram-, moulds and yeasts.	
Application	Preservative-free creams and detergents	
Stability	Stable in normal conditions of storage	
Suggested dosage	From 0.3% to 1% depending to the type of formulations Naticide [®] works better between a range of pH 4 and 9. In order to obtain a complete dispersion, add Naticide under vigorous stirring. Regarding emulsions, divide amount of Naticide [®] among the idrophylic and lipophylic phase	
Storage	Keep product away from light and store in an air-tight container	
Toxicological data	1. Oral acute toxicity	≥ 2000 mg/kg
	2. Skin irritation	not irritant
	3. Eye irritation <i>in vitro</i> (Het Cam test)	not irritant
	4. Skin sensitization	not irritant



Vegetarian & Vegan Suitability Statement

PRODUCT NAME: **Naticide**

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