

CERTIFICATE OF ANALYSIS

PRODUCT NAME: VANILLA EXTRACT, CO2 (MIN 12% VANILLIN)

BATCH NUMBER: 4532804

PRODUCT INCI: VANILLA PLANIFOLIA FRUIT EXTRACT

PRODUCT CODE: K0746

CAS NUMBER: 8024-06-4 / 84650-63-5

EINECS NUMBER: 283-521-8

BEST BEFORE DATE: 02/2027

| ANALYTICAL DETAILS | RANGE % | RESULTS |
|-------------------------|---------------------------|---------|
| Appearance | Liquid | - |
| COLOUR | Yellow — Light Brown | - |
| ODOUR | CHARACTERISTIC OF VANILLA | - |
| SPECIFIC GRAVITY @ 20°C | 0.920 – 0.990 | 0.946 |
| REFRACTIVE INDEX @ 20°C | 1.457 – 1.545 | 1.491 |
| VANILLIN CONTENT | 11.0 - 13.0 | 12.3 |



ALLERGEN STATEMENT

PRODUCT NAME: VANILLA EXTRACT, CO2 (MIN 12% VANILLIN)

COSMETIC ALLERGENS

No Allergens Listed

| Annex Illa | | | TOTAL ALLERGEN |
|------------|-------------------------------|-------------|----------------|
| Reference: | | CAS NUMBER: | INCLUSION (%): |
| 67 | AMYL CINNAMAL | 122-40-7 | 0.000 |
| 68 | BENZYL ALCOHOL | 100-51-6 | 0.000 |
| 69 | CINNAMYL ALCOHOL | 104-54-1 | 0.000 |
| 70 | CITRAL | 5392-40-5 | 0.000 |
| 71 | EUGENOL | 97-53-0 | 0.000 |
| 72 | HYDROXY-CITRONELLAL | 107-75-5 | 0.000 |
| 73 | ISO EUGENOL | 97-54-1 | 0.000 |
| 74 | AMYLCIN-NAMYL ALCOHOL | 101-85-9 | 0.000 |
| 75 | BENZYL SALICYLATE | 118-58-1 | 0.000 |
| 76 | CINNAMAL | 104-55-2 | 0.000 |
| 77 | COUMARIN | 91-64-5 | 0.000 |
| 78 | GERANIOL | 106-24-1 | 0.000 |
| 79 | HYDROXYISOHEXYL 3-CYCLOHEXENE | 31906-04-4 | 0.000 |
| | CARBOXALDEHYDE | 31300 04 4 | 0.000 |
| 80 | ANISE ALCOHOL | 105-13-5 | 0.000 |
| 81 | BENZYL CINNAMATE | 103-41-3 | 0.000 |
| 82 | FARNESOL | 4602-84-0 | 0.000 |
| 83 | BUTYLPHENYL METHYLPROPIONAL | 80-54-6 | 0.000 |
| 84 | LINALOOL | 78-70-6 | 0.000 |
| 85 | BENZYL BENZOATE | 120-51-4 | 0.000 |
| 86 | CITRONELLOL | 106-22-9 | 0.000 |
| 87 | HEXYL CINNAM-ALDEHYDE | 101-86-0 | 0.000 |
| 88 | LIMONENE | 5989-27-5 | 0.000 |
| 89 | METHYL 2-OCTYNOATE | 111-12-6 | 0.000 |
| 90 | ALPHA-ISOMETHYL IONONE | 127-51-5 | 0.000 |
| 91 | EVERNIA PRUNASTRI EXTRACT | 90028-68-5 | 0.000 |
| 92 | EVERNIA FURFURACEA EXTRACT | 90028-67-4 | 0.000 |



FOOD ALLERGENS

| Annex Illa | | PRESENT IN | CONTAMINATION | FACTORY |
|------------|-----------------------------|------------|---------------|-----------|
| Reference: | | PRODUCT: | PRESENCE: | PRESENCE: |
| 1 | CEREALS (CONTAINING GLUTEN) | NO | NO | YES |
| 2 | CRUSTACEANS | NO | NO | NO |
| 3 | EGGS | NO | NO | NO |
| 4 | FISH | NO | NO | NO |
| 5 | PEANUTS | NO | NO | YES |
| 6 | SOYA | NO | NO | YES |
| 7 | MILK | NO | NO | YES |
| 8 | NUTS | NO | NO | YES |
| 9 | CELERY & CELERIAC | NO | NO | YES |
| 10 | MUSTARD | NO | NO | YES |
| 11 | SESAME | NO | NO | YES |
| 12 | SULPHUR DIOXIDE & SULPHITES | NO | NO | NO |
| 13 | LUPIN | NO | NO | NO |
| 14 | MOLLUSC | NO | NO | NO |



MANUFACTURING FLOW & INCI STATEMENT

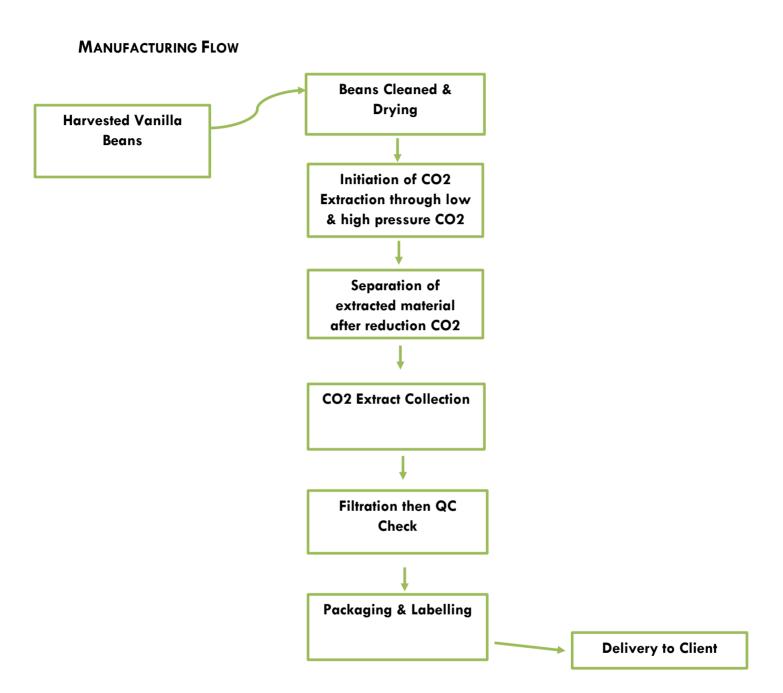
PRODUCT NAME: VANILLA EXTRACT, CO2 (MIN 12% VANILLIN)

INCI STATEMENT

We can hereby confirm the following composition breakdown & manufacturing process flow.

| INCI Name | % Inclusion | CAS Number |
|----------------------------------|-------------|------------------------|
| Vanilla Planifolia Fruit Extract | 100 | 8024-06-4 / 84650-63-5 |

MYSTIC MOMENTS





GMO Statement

PRODUCT NAME: Vanilla Co2

 \mbox{MADAR} Corporation Limited can confirm that the above listed product is GMO Free.

11/07/2023



Material Safety Data Sheet

EU Regulation: 2020/878

| SECTION 1: IDENTIFICATION OF | THE SUBSTANCE | MIXTURE A | AND OF THE | COMPANY/ | UNDERTAKING | |
|---|---|---------------------------------|------------------|-------------------|----------------------|--------------|
| 1.1 PRODUCT IDENTIFICATION | | | | | | |
| PRODUCT NAME | Vanilla Extract, CC |)2 (MIN 12% | Vanillin) | | | |
| BIOLOGICAL DEFINITION | A CONCENTRATED EXT | ract of Vanil | LLA OBTAINED FRO | OM THE FRUIT OF V | /anilla, Vanilla Pla | NIFOLIA. |
| INCI NAME | Vanilla Panifolia Fi | Vanilla Panifolia Fruit Extract | | | | |
| SYNONYMS & TRADE NAMES | NA | NA | | | | |
| INTERNAL PRODUCT CODE | | | | | | |
| CAS-No | 8024-06-4 / 84650-63-5 | EC No. | - / | /283-521-8 | EINECS No. | - /283-521-8 |
| 1.2 Details of the supplier of the safety data sheet | | | | | | |
| COMPANY ADDRESS | Madar Corporation Limited 19 - 20 Sandleheath Industrial Estate, Fordingbridge, SP6 1PA | | | | | |
| EMAIL | technical@madarcorporation.co.uk | | | | | |
| 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DAT | A SHEET | | | | | |
| EMERGENCY CONTACTS | 01425 655 555 | | | | | |



| SECTION 2: HAZARDS IDENTIFICATION | | |
|--|--|--|
| 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE | | |
| CLASSIFICATION (67/548/EEC) | NOT HAZARDOUS. | |
| CLASSIFICATION (EU1272/2008) | NOT HAZARDOUS. | |
| 2.2 LABEL ELEMENTS | LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008. | |
| GHS LABEL | None. | |
| Signal Word | None. | |
| Contains | NO ADDITIONAL DATA AVAILABLE. | |
| HAZARDS STATEMENT | NONE. | |
| Signal Word | NONE. | |
| PRECAUTIONARY STATEMENTS | NONE. | |
| SUPPLEMENTARY PRECAUTIONARY STATEMENTS | None. | |
| SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL. | | |
| 2.3 OTHER HAZARDS | | |
| Adverse physio-chemical properties | None. | |
| Adverse effects on human health | NONE. | |
| PBT OR VPVB ACCORDING TO ANNEX XIII | None | |
| | | |
| SECTION 3: COMPOSITION OF INGREDIENTS | | |
| | >12.0% Vanillin CAS No: 121-33-5 EC No: 204-465-2 | |
| 3.1 Substances | Classification (EC 1272/2008): Eye Irrit. – H319 | |

| SECTION 4: FIRST AID MEASURES | |
|-------------------------------|--|
| 4.1 | |



| DESCRIPTION OF FIRST AID MEASURES | |
|---|---|
| GENERAL INFORMATION | ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY. |
| INHALATION | REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL ATTENTION. |
| Ingestion | Rinse mouth with water and obtain medical attention. |
| SKIN CONTACT | REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS. |
| EYE CONTACT | FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN IF SYMPTOMS PERSIST. |
| 4.2 MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED) | None expected, see Section 4.1 for further information. |
| 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED | None expected, see Section 4.1 for further information. |

| SECTION 5: FIRE FIGHTING MEASURES | |
|---|---|
| 5.1 EXTINGUISHING MATERIAL | FOAM, CO2, DRY CHEMICAL POWDER. |
| 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE | In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds. |
| 5.3 Advice for fire-fighters | STANDARD. WEAR SELF-CONTAINED BREATHING APPARATUS IN CONFINED SPACES. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

| 6.1 PERSONAL PRECAUTIONS | AVOID INHALATION. AVOID CONTACT WITH SKIN AND EYES. SEE PROTECTIVE MEASURES UNDER SECTION 7 AND 8 |
|--|---|
| 6.2 | DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY |
| ENVIRONMENTAL PRECAUTIONS | GUIDELINES. |
| 6.3 METHODS & MATERIAL FOR CONTAINMENT AND CLEANING UP | REMOVE IGNITION SOURCES. PROVIDE ADEQUATE VENTILATION. AVOID EXCESSIVE INHALATION OF VAPOURS. CONTAIN SPILLAGE IMMEDIATELY BY USE OF SAND OR INERT POWDER. DISPOSE OF ACCORDING TO LOCAL REGULATIONS. |
| 6.4 | Refer & consider section 8. |
| REFERENCES TO OTHER SECTIONS | REFER & CONSIDER SECTION 13. |
| | |

SECTION 7: HANDLING & STORAGE

| 7.1 PRECAUTIONS FOR SAFE-HANDLING | HANDLE IN ACCORDANCE WITH GOOD HYGIENE AND SAFETY PRACTICE. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES NO SMOKING. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. USE IN ACCORDANCE WITH GOOD MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES. USE IN AREAS WITH ADEQUATE VENTILATION DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. |
|--|---|
| 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES | KEEP THE PRODUCT CONTAINER TIGHTLY CLOSED, IN A DRY, VENTILATED AREA. KEEP AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. MAINTAIN LIMITED CONTACT WITH OXYGEN. |
| 7.3 SPECIFIC END USE(S) | FLAVOURS, FRAGRANCES: USE IN ACCORDANCE WITH GOOD MANUFACTURING AND INDUSTRIAL HYGIENE. |

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

NONE. CONTROL PARAMETERS





| EYE PROTECTION | WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. |
|--|--|
| HAND PROTECTION | WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. |
| RESPIRATORY EQUIPMENT | Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. B) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. C) Use closed systems for transferring and processing this material. Also |
| | REFER TO SECTIONS 2 AND 7. |
| HYGIENE MEASURES | GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. |
| Engineering Measures | None. |
| Skin Protection | WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT. |
| Personal Protection | AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES. |
| Other Protection | WEAR SUITABLE PROTECTION TO AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS. |
| Process Conditions | ENSURE AREA IS WELL VENTILATED. AVOID VAPOUR INHALATION. |
| ENVIROMENTAL EXPOSURE CONTROLS | AVOID DISCHARGING INTO DRAINAGE WATER. |
| PROPERTIES 9.1 PHYSICAL & CHEMICAL PROPERTIES | |
| APPEARANCE | Viscous Liquid |
| Colour | YELLOW - BROWN |
| Odour | CHARACTERISTIC, VANILLA |
| RELATIVE DENSITY | APPROX 0.993 @ 20DEGC |
| FLASH POINT (°C) | >100°C. |
| Refractive Index @ 20 °C | NO DATA. |
| SOLUBILITY IN WATER @ 20 °C | NO DATA. |
| 9.2 OTHER INFORMATION | NO DATA. |
| SECTION 10: STABILITY & REACTIVITY | |
| 10.1 REACTIVITY | NOT APPLICABLE. |
| 10.2 CHEMICAL STABILITY | Stable under suggested storage conditions (<15°C). |
| 10.3 POSSIBILITY OF HAZARDOUS REACTIONS | No. |
| 10.4 CONDITIONS TO AVOID | STORAGE AT HIGH TEMPERATURES. DO NOT STORE ABOVE 15°C. |
| 10.5 INCOMPATIBLE MATERIALS | AVOID CONCENTRATED ACIDS, ALKALIS & OXIDISING AGENTS. |
| 10.6 HAZARDOUS DECOMPOSITION PRODUCTS | THIS PRODUCT DOES NOT DECOMPOSE UNDER NORMAL CONDITIONS. UNDER FIRE CONDITIONS THE PRODUCT WILL PRODUCE A MIXTURE OF IRRITATING FUMES & SMOKE. |



| SECTION 11: TOXICOLOGICAL INFORMATION | |
|--|--|
| 11.1 TOXICOLOGICAL EFFECTS | |
| Acute Toxicity | A NON-TOXIC PRODUCT. FOR PHARMACEUTICAL & COSMETIC USE ONLY. THIS PRODUCT DOES NOT CARRY A MICROBIOLOGICAL SPECIFICATION AS IT IS STERILISED IN THE REFINING PROCESS. IT DOES NOT CONTAIN ANY IMPURITIES. THIS PRODUCT IS NOT INCLUDED IN THE LIST OF SUBSTANCES PROHIBITED IN COSMETIC PRODUCTS OR SUBJECT TO RESTRICTIONS. IT DOES NOT CONTAIN COLORANTS, PRESERVATIVES OR UV FILTERS (ANNEX II – VI OF EU REGULATION 1 223/2009). |
| Skin irritation | NOT APPLICABLE. |
| EYE DAMAGE OR IRRITATION | NOT APPLICABLE. |
| RESPIRATORY OR SKIN SENSITIVITY | NOT APPLICABLE. |
| GERM CELL MUTAGENICITY | NOT APPLICABLE. |
| Carcinogenicity | NOT APPLICABLE. |
| REPRODUCTIVE TOXICITY | NOT APPLICABLE. |
| STOT – SINGLE EXPOSURE | NOT APPLICABLE. |
| STOT – REPEATED EXPOSURE | NOT APPLICABLE. |
| ASPIRATION HAZARD | NOT APPLICABLE. |
| Other information | NOT APPLICABLE. |
| 12.1 TOXICITY 12.2 PERSISTENCE & DECRADABILITY | NO DATA. > 90% (OECD). |
| PERSISTENCE & DEGRADABILITY 12.3 | > 90% (OECD). |
| BIO- ACCUMULATIVE POTENTIAL | NONE. |
| 12.4 MOBILITY IN SOIL | None. |
| 12.5 RESULTS OF PBT & VPVB ASSESSMENT | THIS SUBSTANCE DOES NOT MEET THE PBT/VPVB CRITERIA OF REACH, ANNEX XIII. |
| 12.6 Other adverse effects | DO NOT ALLOW PRODUCT TO ENTER STREAMS, SEWERS OR OTHER WATERWAYS. |
| SECTION 13: DISPOSAL INFORMATION | |
| 13.1 WASTE TREATMENT METHODS | ALWAYS RECOVER SPILLED PRODUCT. DISCARD WASTE MATERIAL WITH AUTHORIZED WASTE MANAGEMENT SERVICES. ACT IN ACCORDANCE WITH LOCAL & NATIONAL WASTE REGULATIONS. |
| SECTION 14: Transport Information | |
| 14.1 Transport Information | |
| UN Number | ROAD: NOT CLASSIFIED SEA: NOT CLASSIFIED AIR: NOT CLASSIFIED |
| 14.2 UN Shipping Name | NOT APPLICABLE. |
| 14.3 | NOT APPLICABLE. |



| 144 | | |
|--|---|--|
| 14.4 PACKING GROUP | NOT APPLICABLE. | |
| 14.5 ENVIROMENTAL HAZARDS | NOT ENVIRONMENTALLY HAZARDOUS FOR TRANSPORT. | |
| 14.6 SPECIAL PRECAUTIONS FOR USER | SEE SECTIONS 6-8. | |
| 14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE. | NOT APPLICABLE. | |
| SECTION 15: REGULATORY INFORMATION | | |
| 15.1 PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION | | |
| EU DIRECTIVES | REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18™ DECEMBER 2006. CONCERNING THE REGISTRATION, EVALUATION, AUTHORIZATION & RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) NO793/93 & COMMISSION REGULATION (EC) NO1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC & COMMISSION DIRECTIVE 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (INCLUDING AMENDMENTS). | |
| STATUTORY INSTRUMENTS | THE CHEMICALS (HAZARD INFORMATION & PACKAGING FOR SUPPLY REGULATIONS 2009 (S.I.2009 NO 716). | |
| Approved Code of Practice | CLASSIFICATION & LABELLING OF SUBSTANCES & PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA SHEETS FOR SUBSTANCES & PREPARATIONS. | |
| GUIDANCE NOTES | WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG 108. | |
| 15.2 CHEMICAL SAFETY ASSESSMENT | ASSESSMENT HAS NOT BEEN CARRIED OUT AS THIS IS A NON-HAZARDOUS MATERIAL ACCORDING TO ARTICLE 31 OF REACH 1907/2006. | |

| SECTION 16: OTHER INFORMATION | |
|---|--|
| TRAINING INSTRUCTIONS: REFER TO POSSIBLE HAZARD BEFORE USE OF THIS PRODUCT. | |
| ABBREVIATIONS & ACRONYMS: | |
| MSDS | MATERIAL SAFETY DATA SHEET. |
| INCI | INTERNATIONAL NOMENCLATURE OF COSMETIC INGREDIENTS. |
| CAS | CHEMICAL ABSTRACT SERVICE. |
| IMDG | International Maritime code for Dangerous Goods. |
| ADR | ACCORD EUROPEAN SUR LE TRANSPORT DES MERCHANDISES DANGEREUSES PAR ROUTE (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD). |
| RID | International Carriage of Dangerous Goods by Rail. |
| ICAO | International Civil Aviation Organization. |
| ADN | INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS. |
| GHS | GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION & LABELLING OF CHEMICALS. |
| Trem Card | TRANSPORT EMERGENCY CARD. |
| STOT | SPECIFIC TARGET ORGAN TOXICITY. |

DOCUMENTATION REVISION



| DATE | CHANGE DESCRIPTION |
|-----------------------------|--------------------|
| 10 th April 2018 | Data Launch |
| OCTOBER 2020 | Reviewed |
| JANUARY 2023 | REVIEW |
| | |



Vegetarian & Vegan Suitability Statement

PRODUCT NAME: Vanilla Co2

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.

11/07/2023