

CERTIFICATE OF ANALYSIS
RASPBERRY SEED VIRGIN

Batch No: 4401301
Best Before End: July 2022

Appearance: Dark yellow to orange brilliant clear liquid. Oil contains natural waxes which may cause it to appear hazy at room temp.

Odour: Characteristic, light & pleasant.

| TEST | SPECIFICATION | ANALYSIS |
|--|---------------|----------|
| Free Fatty Acid Value | 5.0 maximum | 2.6 |
| Acid Value | 10.0 maximum | 5.2 |
| Peroxide Value (meqO ₂ /kg) | 20.0 maximum | 9.0 |
| Saponification Value | 150 - 205 | 177.1 |
| Specific Gravity @ 20°C | 0.920 – 0.940 | 0.923 |
| Refractive Index @ 20°C | 1.470 – 1.450 | 1.482 |

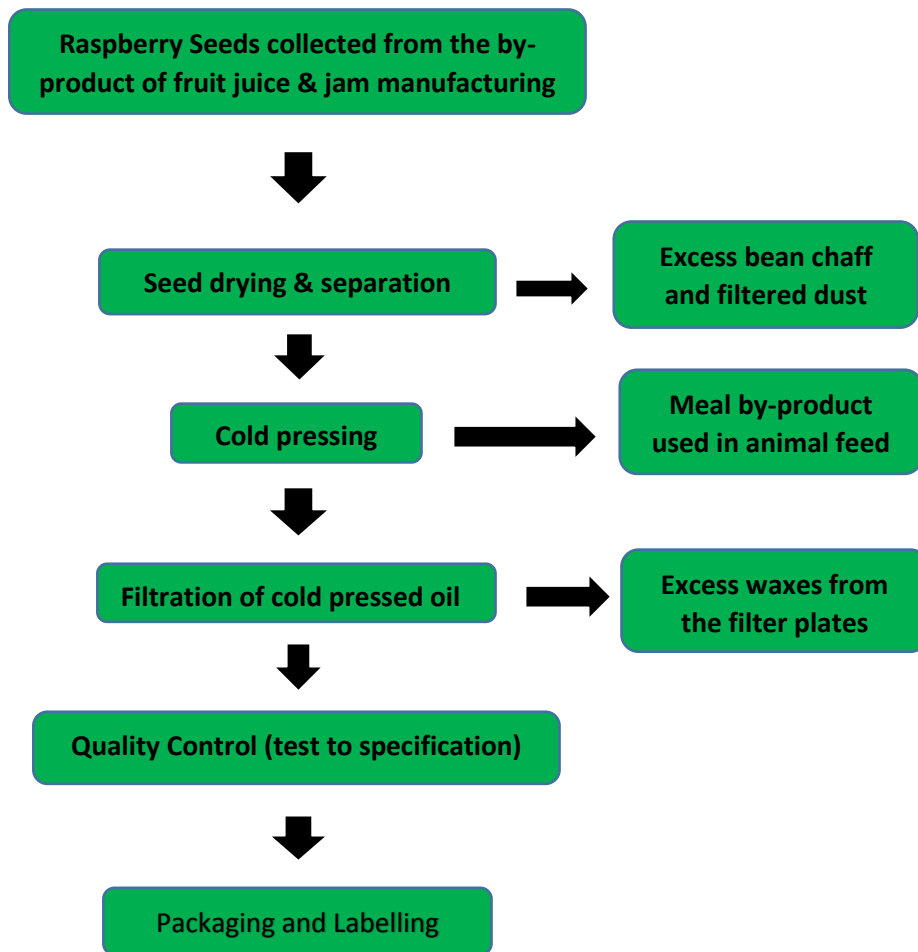
| FATTY ACID PROFILE (%) | | |
|----------------------------|-------------|------|
| C16:0 Palmitic Acid | 2.0 – 5.0 | 4.2 |
| C18:0 Stearic Acid | 3.0 maximum | 2.1 |
| C18:1 Oleic Acid | 6.0 – 16.0 | 18.5 |
| C18:2 Linoleic Acid | 48.0 – 59.0 | 55.0 |
| C18:3 Alpha Linolenic Acid | 22.0 – 33.0 | 17.7 |
| C20:0 Arachidic Acid | 1.0 maximum | 0.3 |
| C20:1 Eicosenoic Acid | 0.5 maximum | 0.1 |

ALLERGENS DECLARATION

| | | | | | |
|---------------------|-----------------------|---------------------|--------|-----------------|---|
| Product Name | Raspberry Seed Virgin | | | | |
| INCI Name | - | | | | |
| Date | 25/08/2016 | Product Code | OVRASP | Revision | 1 |

| Material | CAS Number | Cosmetic Allergens Inclusion (%) |
|--|------------|----------------------------------|
| AMYL CINNAMAL | 122-40-7 | - |
| BENZYL ALCOHOL | 100-51-6 | - |
| CINNAMYL ALCOHOL | 104-54-1 | - |
| CITRAL | 5392-40-5 | - |
| EUGENOL | 97-53-0 | - |
| HYDROXYCITRONELLAL | 107-75-5 | - |
| ISO EUGENOL | 97-54-1 | - |
| AMYL CINNAMYL ALCOHOL | 101-85-9 | - |
| BENZYL SALICYLATE | 118-58-1 | - |
| CINNAMAL | 104-55-2 | - |
| COUMARIN | 91-64-5 | - |
| GERANIOL | 106-24-1 | - |
| HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE | 31906-04-4 | - |
| ANISE ALCOHOL | 105-13-5 | - |
| BENZYL CINNAMATE | 103-41-3 | - |
| FARNESOL | 4602-84-0 | - |
| BUTYLPHENYLMETHYLPROPIONAL | 80-54-6 | - |
| LINALOOL | 78-70-6 | - |
| BENZYL BENZOATE | 120-51-4 | - |
| CITRONELLOL | 106-22-9 | - |
| HEXYL CINNAMAL | 101-86-0 | - |
| LIMONENE | 5989-27-5 | - |
| METHYL 2-OCTYNOATE | 111-12-6 | - |
| ALPHA-ISOMETHYLIONONE | 127-51-5 | - |
| EVERNIA PRUNASTRI EXTRACT | 90028-68-5 | - |
| EVERNIA FURFURACEA EXTRACT | 90028-67-4 | - |

| | |
|--------------|-----------------------|
| Product Name | Raspberry Seed Virgin |
| Date | 03.07.2018 |





Document Date:

April 2018

STATEMENT

We hereby certify that Raspberry Seed Oil Cold Pressed, is free of genetically modified materials and components. No ingredients, additives or processing aids of GM origin are used in the processing and purifying of the oil.

MATERIAL SAFETY DATA SHEET

01. IDENTIFICATION OF THE SUBSTANCE/MIXTURE & OF THE COMPANY/UNDERTAKING

| 1:1-Product Identifiers: | | | | | |
|---------------------------|---|---------|---|------------|-----------|
| Product name | Raspberry Seed Virgin | | | | |
| Biological Definition | A golden yellow oil, practically odourless. The oil contains natural waxes that may cause the oil to appear hazy at ambient temperatures. | | | | |
| INCI Name | - | | | | |
| Synonyms & Trade Names | - | | | | |
| Reach Registration Number | Exempt (annex V) | | | | |
| FEMA No. | - | FDA No. | - | CoE No. | - |
| CAS-No | 84929-76-0 | EC No. | - | EINECS No. | 284-554-0 |

| 1:2 – Relevant Identified Uses of the substance or mixture and uses advised against: | |
|--|---|
| Identified Uses | Cosmetic, Pharmaceuticals |
| 1:3 – Details of the supplier of the Safety data sheets. | |
| Company Name | MADAR Corporation Limited, 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA Email: sales@madarcorporation.co.uk Tel: 01425 655555 Approved Sellers: Cosmetic Butters, Mystic Moments, New Directions Europe, World of Moulds |
| 1:4 – Emergency Telephone number | |
| Contact telephone number | |

02. HAZARDS IDENTIFICATION

| 2:1 Classification of the substance or mixture | |
|---|--------------------------------------|
| Classification (1999/45) | Not classed as a hazardous substance |
| Classification (EC 1272/2008) | Not classed as a hazardous substance |
| 2.2 – Label Elements | |
| Label Elements in accordance with (EC) No 1272/2008 | None |
| 2:3 - Other hazards | |
| Signal Word | None |

MATERIAL SAFETY DATA SHEET

| | |
|--|-------------------------|
| Contains | No hazardous substances |
| Hazard Statements | None |
| Precautionary Statements | None |
| Supplementary Precautionary Statements | None |
| PBT or vPvB according to Annex XIII | No |
| Adverse physio-chemical properties | None |
| Adverse effects on human health | None |

03. COMPOSITION/INFORMATION ON INGREDIENTS

| | |
|------------------|--|
| 3:1 - Substances | |
| Substances | Raspberry Seed Oil CAS no – 84929-76-0 EINECS no – 284-554-0 |
| 3:2 - Mixtures | |
| Mixtures | No additional data available |

04. FIRST AID MEASURES

| | |
|---|---|
| 4:1 – Description of first aid measures | |
| General Advice | No Immediate medical attention required. |
| Inhalation | No vapours generated under normal handling conditions |
| Ingestion | Not dangerous, Oils are generally edible. |
| Skin Contact | Wash with soap and water |
| Eye Contact | Rinse with plenty of water. If discomfort persists, seek medical attention. |
| 4:2 – Most important symptoms and effects, both acute and delayed | |
| Symptoms and effects | No additional data available |

MATERIAL SAFETY DATA SHEET

4:3 – Indication of any immediate medical attention and special treatment needed

Special requirements

Advice for medical staff: This safety data sheet. Accident with vegetable oil of edible quality.

05. FIRE-FIGHTING MEASURES

5:1 - Extinguishing Media

Suitable extinguishing Media

Fire blanket, Foam, Carbon dioxide or dry powder.

Unsuitable extinguishing Media-DO NOT USE

Water jet

5:2 - Special Hazards arising from substance or mixture

Specific hazards

Formation of carbon monoxide is possible

5:3 – Advice for firefighters

Special firefighting procedures/ protective actions.

Suitable respiratory protection

06. ACCIDENTAL RELEASE MEASURES

6:1 - Personal Precautions, protective equipment and emergency procedures.

Personal precautions

No special precautions under normal conditions

6:2 - Environmental Precautions

Environmental Precautions

Do not discharge into drains or watercourses or onto the ground

6:3 – Methods and materials for containment and cleaning up

Spill Clean Up Methods

Physical methods, absorbent material. Clean with hot water and detergent.

6:4 – Reference to other sections



MATERIAL SAFETY DATA SHEET

| | |
|-----------------------------|---|
| Reference to other sections | Section 8 – Exposure controls/ personal protection for further information on personal precautions, Section 13 – Disposal considerations for further information on waste treatment. |
|-----------------------------|---|

07. HANDLING AND STORAGE

| | |
|---|---|
| 7:1 – Precautions for safe handling | |
| Usage precautions | Handle all packages and containers carefully to minimise spills. Spillage can cause a slipping hazard. Normal working hygiene will suffice |
| 7:2 – Conditions for safe Storage including any incompatibilities | |
| Storage Precautions | Keep away from open fires. Store in a cool and dry place in the original containers, or store in a tank (preferably stainless steel). Measures for store room and tanks: No special measures. Bunding or similar precautions are recommended to contain spillage or leaks. Incompatible materials : Pro-oxidants |
| Suitable Packaging | No additional data available |
| 7:3 – Specific end use (s) | |
| End Uses | No additional data available |

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|--|---|
| 8:1 – Control parameters | |
| Components with workplace control parameters | Not applicable for this substance under normal working procedure. |
| 8:2 – Exposure controls | |
| Protective Equipment |   |
| Process conditions | No additional data available |
| Engineering Measures | No additional data available |

MATERIAL SAFETY DATA SHEET

| | |
|---------------------------------|--|
| Respiratory Equipment | In case of aerosol formation, use dust mask with filter. |
| Hand Protection | No special measures required under normal conditions |
| Eye Protection | Use safety glasses/goggles if there is a risk of splashing |
| Other Protection | No additional data available |
| Hygiene Measures | No additional data available |
| Personal protection | No additional data available |
| Skin protection | No special measures required under normal conditions |
| Environmental exposure controls | No additional data available |

09. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| 9:1 - Information on basic physical and chemical properties. | |
| Appearance | Liquid |
| Colour | Yellow /amber |
| Odour | Characteristic |
| Density at 25°C | 0.90-0.93 g/ml |
| Flash Point (°C) | >300 |
| pH Value | Not relevant, insoluble in water. |
| Melting Point (°C) | Liquid at ambient temperature |
| Boiling Point (°C) | No additional data available. |
| Explosive properties | Not explosive |
| Oxidising properties | Not oxidising |
| Vapour Pressure at 200°C | <0.01 mmHg |
| Solubility in Water @20°C | Insoluble in water, soluble in vegetable oils. |
| Viscosity at 20°C | 60-90 cP |
| Auto flammability | Not possible |
| 9:2 - Other information | |

MATERIAL SAFETY DATA SHEET

| | |
|-------------------|-------------------------------|
| Other Information | No additional data available. |
|-------------------|-------------------------------|

10. STABILITY AND REACTIVITY

| | |
|--|--|
| 10:1- Reactivity | |
| Reactivity | No additional data available |
| 10:2 - Chemical stability | |
| Stability | Generally stable, becomes rancid on prolonged exposure to air. |
| 10:3 - Possibility of hazardous reactions | |
| Possible hazardous reactions | No additional data available. |
| 10:4 - Conditions to avoid | |
| Conditions to Avoid | Oxidation promoting conditions (heat and UV light.) |
| 10:5 – Incompatible materials | |
| Incompatible materials | Pro- oxidants |
| 10:6 - Hazardous Decomposition Products | |
| Hazardous Decomposition Products | None |

11. TOXOLOGICAL INFORMATION

| | |
|--|--|
| 11:1 Information on toxicological effects | |
| Acute Toxicity LD50 | This substance is a non- toxic vegetable oil of edible quality. Based upon the composition and reports based upon similar products there are no negative effects to be expected. |
| Skin corrosion / irritation | No adverse effects reported for administration by oral/dermal routes. |
| Serious eye damage / irritation | Slight irritation may occur on eye contact |
| Respiratory or skin sensitisation | Inhalation is unlikely |

MATERIAL SAFETY DATA SHEET

| | |
|------------------------|-------------------------------|
| Ingestion | No additional data available. |
| Germ Cell Mutagenicity | No additional data available. |
| Carcinogenicity | No additional data available. |
| Reproductive toxicity | No additional data available. |
| STOT-single exposure | No additional data available. |
| STOT-repeated exposure | No additional data available. |
| Aspiration hazard | No additional data available. |
| Photo-toxicity | No additional data available. |
| Other Information | No additional data available. |

12. ECOLOGICAL INFORMATION

| | |
|------------------------------------|---|
| 12:1- Toxicity | |
| General | The information given in this section is based upon evaluation of the components and ecotoxic data on similar products. |
| 12:2 - Persistence & degradability | |
| Persistence & degradability | Readily biodegradable |
| 12:3 - Bioaccumulative Potential | |
| Bioaccumulative Potential | No bioaccumulation expected |
| 12:4 – Mobility in soil | |
| Mobility | Floats on water. Immobilises by absorption to soil particles. |

MATERIAL SAFETY DATA SHEET

12:5 – Results of PBT and vPvB assessment

| | |
|------------------------|------------------------------|
| PBT Assessment Results | No additional data available |
|------------------------|------------------------------|

12:6 Other Information

| | |
|--|---|
| | Presents no ozone depletion potential and is CO2 neutral. |
|--|---|

13. DISPOSAL CONSIDERATIONS

13:1 Waste treatment methods

| | |
|------------------|---|
| Disposal Methods | No specific danger. Dispose of waste product or used containers in accordance with local regulations. May be burned together with household waste if this is accepted by the authorities. |
|------------------|---|

14. TRANSPORT INFORMATION

| | |
|--------------|---------------|
| Warning Icon | None required |
|--------------|---------------|

14:1 – UN Number

| | |
|--------------------------|----------------|
| UN No Road – ADR/RID/ADN | Not Classified |
|--------------------------|----------------|

| | |
|-----------------|----------------|
| UN No Sea- IMDG | Not Classified |
|-----------------|----------------|

| | |
|------------------|----------------|
| UN No Air – IATA | Not Classified |
|------------------|----------------|

14:2 – UN proper shipping name

| | |
|--------------------|----------------|
| Road – ADR/RID/ADN | Not Classified |
|--------------------|----------------|

| | |
|-----------|----------------|
| Sea- IMDG | Not Classified |
|-----------|----------------|

| | |
|------------|----------------|
| Air - IATA | Not Classified |
|------------|----------------|

14:3 – Transport Hazard class (es)

| | |
|--------------------|----------------|
| Road – ADR/RID/ADN | Not Classified |
|--------------------|----------------|

MATERIAL SAFETY DATA SHEET

| | |
|--|------------------------------|
| Sea- IMDG | Not Classified |
| Air- IATA | Not Classified |
| 14:4 - Packaging group | |
| Road – ADR/RID/ADN | Not Classified |
| Sea- IMDG | Not Classified |
| Air -IATA | Not Classified |
| 14:5 – Environmental hazard | |
| Environmentally hazardous substance/ marine pollutant. | No additional data available |
| 14:6 - Special precautions for user | |
| Precautions | No additional data available |
| 14:7 – Transport in bulk according to Annex II of MARPOL 73/79 and the IBC code | |
| | No additional data available |

15. REGULATORY INFORMATION

| | |
|--|---|
| 15:1 – Safety, health and environmental regulations/ legislation specific for the substance or mixture. | |
| EU Directives | <p>Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18th Dec 2006</p> <p>Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing</p> <p>Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.</p> |

MATERIAL SAFETY DATA SHEET

| | |
|--|--|
| Statutory Instruments | The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716). |
| Approved Code of Practice | Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations |
| Guidance Notes | Workplace Exposure Limits EH40. CHIP for everyone HSG 108. |
| 15:2 Chemical Safety assessment | |
| Assessment information | A chemical assessment for this product has not been carried out. |

16. OTHER INFORMATION

| | |
|----------------------------|----------------------------|
| Revision Date | 21.12.2016 |
| Rev No/Repl, SDS Generated | 3 |
| Change Description | Updated to new MSDS format |
| Created by | Technical Department |
| Review Date | 21.12.2018 |
| Risk Phrases in Full | None |
| Hazard Statements in Full | None |
| Other Information | None |

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

PRODUCT SPECIFICATION

| | | | | | |
|----------------------------|---|---------------------|---------|------------|---|
| Product Name | Raspberry Seed Virgin Oil | | | | |
| Date | 22/12/2016 | Product Code | OV Rasp | Rev | 3 |
| Reason for Revision | Updated to new specification format | | | | |
| Description | A golden yellow oil, practically odourless. The oil contains natural waxes that may cause the oil to appear hazy at ambient temperatures. | | | | |
| Appearance | Yellow/amber Liquid | | | | |
| Odour | Characteristic | | | | |
| Function | Cosmetic, Pharmaceutical | | | | |
| CAS Number | 84929-76-0 | EC Number | - | | |
| EINECS Number | 284-554-0 | | | | |

TEST SPECIFICATION

| Analytical Test | Specification Range |
|-------------------------|---|
| Acid Value | 2.0 Maximum |
| Peroxide Value (meq/kg) | 10 Maximum |
| Iodine value | 165-185 |
| Colour (Lovibond 5¼") | 4.5 red 45 yellow maximum |
| Solubility | Insoluble in water, soluble in vegetable oils |

TYPICAL FATTY ACID PROFILE

| | |
|--------------------------|-----------|
| C16:0 Palmitic Acid % | 2-8 |
| C18:0 Stearic Acid % | 1-12 |
| C18:1 Oleic Acid % | 10-18 |
| C18:2 Linoleic Acid % | 43-55 |
| C18:3 α Linolenic Acid % | 28-33 |
| C20:0 Arachidic Acid % | 2 Maximum |
| C20:1 Eicosenoic Acid % | 1 Maximum |
| C22:0 Behenic Acid % | 2 Maximum |

SHELF LIFE AND STORAGE

The product should be stored in unopened drums out of direct sunlight at a temperature of between 15 and 25°C. The product should be fit for use until the date of expiry given provided that they are stored under these recommended conditions. However, this product contains a high level of functional and essential fatty acids and is sensitive to oxidation, and it is therefore recommended that customers do not purchase more material than will be used within 3 months of purchase.

Please note as this is a wholly natural material some parameters, in particular, appearance, colour and odour, may change due to natural variation and climate change. This in no way affects the quality and efficacy of the product.



Product Information – Vegan Suitability

Product: Raspberry Seed Virgin

We, MADAR Corporation Ltd, certify that the above mentioned material is suitable for Vegans.

Issue Date: 21/09/18