



AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

**Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders**



FUNCTIONAL FOOD & BEVERAGE APPLICATION GUIDE



AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

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Cold Pressed Oils-Essential Oils-Phenolic Rich Powders**

**FUNCTIONAL FOODS & BEVERAGES
NATURAL HEALTHCARE & COSMETOLOGICAL APPLICATIONS**

PRODUCT CATALOGUE SOUTHERN HEMISPHERE AUTUMN-WINTER NORTHERN HEMISPHERE SPRING-SUMMER

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PHENOLIC RICH PYTHONUTRIENTS FLAVOURS, FRAGRANCES & INGREDIENTS

**PHENOLIC RICH PHYTONUTRIENTS
COSMECEUTICAL, NATURAL HEALTHCARE
FUNCTIONAL FOODS & BEVERAGES**



**Plant Extract
Fermented Plant Extracts
Fermented Fruit & Vinegars
Cold Pressed Oils
Fruit Powders
Essential Oils**

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BOTANICAL INNOVATIONS PHENOLIC RICH PRODUCTS

Botanical Innovations has developed phenolic rich Apple Cider Vinegar and Grape Seed Extract for

- Cosmeceutical External Treatments
- Natural Healthcare Internal Supplements

Phenolic compounds are the chemicals produced by plants from photosynthesis.

A plant will produce phenolic compounds to adapt to changing environmental conditions flood, drought, heat, cold, nutritional stress and disease. In evolutionary terms phenols are believed to be responsible for plants migration from the sea to land when plants developed phenolic UV light screens and continued survival for millions of years.

Plants to adapt to changing environmental conditions and stress by producing plant phenols which can produce free radicals and other oxidative compounds. Plants also have the ability to synthesize phenolic compounds, which act as toxins and deterrents to insects, pathogens and other dangers as well as assist with attraction of insects for reproduction purposes.

Botanical Innovations has created a unique set of phenolic rich ingredients which contain concentrated phenolics with unique properties developed by plants over millions of years

A plants phenolic compound is divided into primary and secondary.

- Primary Phenolic Compounds (metabolites)
 - Sugars
 - Fatty Acids
 - Amino Acids
 - Nucleic Acids

Secondary Phenolic Compounds (metabolites) are more complex and believed to be responsible for the plants respiratory systems and its ability to survive in the environment.

- Secondary Phenolic Compounds include
 - Antioxidants
 - Hydroxycinnamic Acids
 - Hydroxybenzoic Acids
 - Stilbenes
 - Flavonoids
 - Flavonols
 - Flavan-3-ols

Botanical Innovations products contain both primary and secondary phenolic compounds, which provide added health and functional benefits to our products.

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Botanical Innovations Products Primary Phenolic Compounds (metabolites) Profile

	Plant Extracts	Fermented Plant Extracts	Fermented Fruit & Vinegar	Grape Seed Oil	Cherry Seed Oil	Fruit Powders
Fructose (Fruit Sugar)	•	•	•			•
Fatty Acid Profile						
Myristic C14:0 Omega 9				<0.1%	<0.1%	
Palmitic C16:0 Omega 9				7%	8.10%	
Palmitoleic C16:1 Omega 7				0.30%	0.70%	
Heptadecanoic C17:0 Omega 9				0.10%	0.10%	
Heptadecenoic C17:1 Omega 9				<0.1%	0.10%	
Stearic C18:1 Omega 9				3.80%	3.30%	
Oleic C18:0 Omega 9				19%	41.50%	
Linoleic C18:2 Omega 6				68.60%	42.80%	
Alpha-Linolenic C18:3 Omega 3				0.50%	1%	
Arachidic C20:0 Omega 6				0.20%	1.20%	
Elcosenoic C20:1 Omega 9				0.20%	0.50%	
Behenic C20:1 Omega 9				<0.1%	0.40%	
Erucic C22:1 Omega 9				<0.1%	0.10%	
Lignoceric C24:0 Omega 12				<0.1%	0.20%	
Tetracosenoic C24:1 Omega 9				<0.1%	<0.1%	
Polyunsaturated				69.10%	43.10%	
Monounsaturated				19.50%	42.90%	
Saturated				11.20%	13.40%	
Amino Acids	•	•	•			•
Nucleic Acids	•	•	•			•

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Primary Phenolic Compounds (metabolites) Found in Botanical Innovations Products

Fruit Sugars Fructose

Natural fruit sugars.

Name: Fructose

Chemical Composition: $C_6H_{12}O_6$

Amino Acids

Amino acids are the building block for protein. Proteins are of primary importance to the continuing functioning of life on Earth. Proteins catalyze the vast majority of chemical reactions that occur in the cell. They provide many of the structural elements of a cell, and they help to bind cells together into tissues. Some proteins act as contractile elements to make movement possible. Others are responsible for the transport of vital materials from the outside of the cell ("extracellular") to its inside ("intracellular"). Proteins control the activity of genes.

Fatty Acids

A fatty acid is a carboxylic acid with a long aliphatic chain which is either saturated or unsaturated.

Botanical Innovations Products contained the following fatty acids that have beneficial and essential health properties. Each fatty acid has a corresponding Omega 3, 6, 9 or 12 with different pharmacological activities.

Two fatty acids are known to be essential for humans: alpha-linolenic acid (an omega-3 fatty acid) and linoleic acid (an omega-6 fatty acid). Some other fatty acids are sometimes classified as "conditionally essential," meaning that they can become essential under some developmental or disease conditions

including Omega 6 and Omega 3 fatty acids.

FATTY ACIDS

Myristic	C14:0	Omega 9
Palmitic	C16:0	Omega 9
Palmitoleic	C16:1	Omega 7
Heptadecanoic	C17:0	Omega 9
Heptadecenoic	C17:1	Omega 9
Stearic	C18:0	Omega 9
Oleic	C18:1	Omega 9
Linoleic	C18:2	Omega 6
Alpha -Linolenic	C18:3	Omega 3
Arachidic	C20:0	Omega 6
Elcosenoic	C20:1	Omega 9
Behenic	C22:0	Omega 9
Erucic	C22:1	Omega 9
Lignoceric	C24:0	Omega 12
Tetracosenoic	C24:1	Omega 9
Polyunsaturated		
Monounsaturated		
Saturated		

Nucleic Acids

Nucleic Acids are essential to all known forms of life. Nucleic Acids are found in all living things where they function in encoding, transmitting and expressing genetic information. Strings of nucleotides strung together in a specific sequence are the mechanism for storing and transmitting hereditary or genetic information via protein synthesis.

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BOTANICAL INNOVATIONS PRODUCTS SECONDARY PHENOLIC COMPOUNDS

	GRAPE SEED EXTRACT	APPLE CIDER VINEGAR
Hydroxycinnamic Acids	▪	▪
p-coumaric	▪	▪
caffeic	▪	▪
ferulic	▪	▪
Hydroxybenzoic Acids	▪	▪
Gallic	▪	▪
Gentistic	▪	▪
Salicylic	▪	▪
Stilbenes	▪	▪
Resveratrol	▪	
Viniferins	▪	
Flavonols	▪	▪
Quercetin	▪	▪
Kaempferol	▪	▪
Myricetin	▪	▪
Flavan-3-ols	▪	▪
Catechin	▪	▪
Eipcatechin	▪	▪
Epicatechin -3-O-Galleate	▪	▪
Pronthocyanidins	▪	
Anthocyanins	▪	

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SECONDARY PHENOLIC COMPOUNDS IN BOTANICAL INNOVATIONS PHARMACOLOGICAL ACTIVITY

	Antioxidant	Anti-infective Agent	Free Radical Scavenger	Anti-inflammatory	Anti-coagulant	Anti-hypertensive	Anti-fungal	Keratolytic	Anti-carcinogenic	Anti-neoplastic	Enzyme Inhibitor	Anti-mutagenic	Protease Inhibitor	Cholagogues Choleretics	Platelet Aggregation Inhibitor
Hydroxycinnamic Acids	■	■	■	■	■	■								■	
p-coumaric	■	■	■												
Caffeic	■														
Ferulic	■		■	■	■	■								■	
Hydroxybenzoic acids	■	■					■	■							
Gallic	■														
Castagin															
Vescalagin	■														
Ellagic	■														
Gentistic	■														
Salicylic	■	■					■	■							
Stilbenes	■			■					■	■	■	■			■
Resveratrol	■			■					■	■	■	■			■
Viniferins	■														
Flavonols	■														
Quercetin	■														
Kaempferol	■														
Myricetin	■														
Flavan-3-ols	■									■			■		
Catechin	■														
Eipcatechin	■														
Epicatechin-3-O-Gallate	■									■			■		
Pronthocyanidins	■														
Anthocyanins	■														

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KEY PHARMACOLOGICAL ACTIVITY OF PHENOLIC COMPOUNDS IN BOTANICAL INNOVATIONS PRODUCTS

This information is a general guide only. For additional literature about the possible pharmacological activity of Botanical Innovations products please refer to our secondary literature review.

Antioxidants

Antioxidants inhibit or retard oxidation reactions. May counteract the damaging effects of oxidation in animal tissues.

Anti-Infective Agents

May prevent infectious agents or organisms from spreading or kill infectious agents in order to prevent the spread of infection.

Anti-coagulants

Agents that may assist in the prevention of blood clotting.

Free Radical Scavengers

May eliminate free radicals and among other effects, they may protect pancreatic islets against damage by cytokines and may prevent myocardial and pulmonary reperfusion injury.

Anti-Inflammatory Agents, Non-Steroidal

Anti-inflammatory agents that are non-steroidal in nature. In addition to anti-inflammatory actions, they may have analgesic, antipyretic, and platelet-inhibitory actions. They may act by blocking the synthesis of prostaglandins by inhibiting cyclooxygenase, which

converts arachidonic acid to cyclic endoperoxides, precursors of prostaglandins. Inhibition of prostaglandin synthesis accounts for their analgesic, antipyretic, and platelet-inhibitory actions; other mechanisms may contribute to their anti-inflammatory effects.

Cholagogues and Choleretics

Gastrointestinal agents that may stimulate the flow of bile into the duodenum (cholagogues) or stimulate the production of bile by the liver (choleretic).

Anti-hypertensive Agents

May assist in the management of used in the treatment vascular hypertension.

Anti-Infective Agents

Substances that may prevent infectious agents or organisms from spreading or may kill infectious agents in order to prevent the spread of infection.

Anti-fungal Agents

Substances may that destroy fungi by suppressing their ability to grow or reproduce. That is a potential defence against fungi present in human or animal tissues.

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Keratolytic Agents

Agents that may soften, separate, and cause desquamation of the cornfield epithelium or horny layer of skin. They are used to expose mycelia of infecting fungi or to treat corns, warts, and certain other skin diseases.

Anti-carcinogenic Agents

Agents that may reduce the frequency or rate of spontaneous or induced tumors independently of the mechanism involved.

Anti-neoplastic Agents, Phytogenic

Agents obtained from higher plants that may have demonstrable cytostatic or antineoplastic activity.

Enzyme Inhibitors

Compounds or agents that may combine with an enzyme in such a manner as to prevent the normal substrate-enzyme combination and the catalytic reaction.

Platelet Aggregation Inhibitors

Drugs or agents, which may antagonize or impair any mechanism leading to blood platelet aggregation, whether during the phases of activation and shape change or following the dense-granule release reaction and stimulation of the prostaglandin-thromboxane system.

Anti-mutagenic Agents

Agents that may reduce the frequency or rate of spontaneous or induced mutations independently of the mechanism involved.

Protease Inhibitors

Compounds which inhibit or antagonize biosynthesis or actions of proteases



Glossary Secondary Phenolic Compounds found in Botanical Innovations Products

Hydroxycinnamic Acids

Caffeic Acid

Name: Caffeic Acid

Chemical Composition: $C_9H_8O_4$

Pharmacological Action

- Antioxidants

P-Coumaric

Name: P-Coumaric

Chemical Composition: $C_9H_8O_3$

Pharmacological Action

- Antioxidants
- Anti-Infective Agents
- Free Radical Scavengers

Ferulic Acid

Name: Ferulic Acid

Chemical Composition: $C_{10}H_{10}O_4$

Pharmacological Action

- Anti-Inflammatory Agents, Non-Steroidal
- Cholagogues and Choleretics
- Free Radical Scavengers
- Anticoagulants
- Antihypertensive Agents

Hydroxybenzoic Acids

Gallic Acid

Name: Gallic Acid

Chemical Composition: $C_7H_6O_5$

Pharmacological Action

- Antioxidants

Castalagin Vescalagin

Name: Castagin Vescalagin

Chemical Composition: $C_{41}H_{26}O_{26}$

Pharmacological Action

- Antioxidant
- Tanin

Ellagic Acid

Name: Ellagic Acid

Chemical Composition: $C_{14}H_6O_8$

Pharmacological Action

- Antioxidant
- Tannin

Benzaldehydye

Name: Benzaldehyde

Chemical Composition: C_7H_6O

Pharmacological Action

- Flavouring, Perfume, Pharmaceutical

Gentistate Acid

Name: Gentistate Acid

Chemical Composition: $C_7H_6O_4$

Pharmacological Action

- Antioxidants

Salicylic Acid

Name: Salicylic Acid

Chemical Composition: $C_7H_6O_3$

Pharmacological Action

- Anti-Infective Agents
- Antifungal Agents
- Keratolytic Agents



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Stilbenes

Resveratrol

Name: Resveratrol

Chemical Composition: $C_{14}H_{12}O_3$

Pharmacological Action

- Anti-Inflammatory Agents, Non-Steroidal
- Anti-carcinogenic Agents
- Antineoplastic Agents, Phytogetic
- Enzyme Inhibitors
- Platelet Aggregation Inhibitors
- Anti-mutagenic Agents
- Antioxidants

Flavonoids

Flavonols

Quercetin

Name: Quercetin

Chemical Composition: $C_{15}H_{10}O_7$

Pharmacological Action

- Antioxidants

Kaempferol

Name: Kaempferol

Chemical Composition: $C_{15}H_{10}O_6$

Pharmacological Action

- Antioxidants

Myricetin

Name: Myricetin

Chemical Composition: $C_{15}H_{10}O_8$

Pharmacological Action

- Antioxidants

Flavan-3-ols

Epicatechin

Name: Epicatechin

Chemical Composition: $C_{15}H_{14}O_6$

Pharmacological Action

- Antioxidants

Eipcatechin 3-O-Gallate

Name: Epicatechin 3-O-gallate

Chemical Composition: $C_{22}H_{18}O_{10}$

Pharmacological Action

- Antineoplastic Agents, Phytogetic
- Antioxidants
- Protease Inhibitors

Proanthocyanidin

Name: Proanthocyanidin

Chemical Composition: $C_{31}H_{28}O_{12}$

Pharmacological Action

- Antioxidants

Anthocyanin

Name: Anthocyanin

Chemical Composition: $C_{31}H_{28}O_{12}$

Pharmacological Action

- Antioxidants



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References

K.G. Ramawat, J.M. Me'rillon (eds.), Natural Products Springer-Verlag Berlin Heidelberg 2013 Chapter 50 V. Lattanzio
Department of Sciences of Agriculture, Food and Environment, University of Foggia, Foggia, Italy pp1544-1573
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/p-coumaric>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/caffeic>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/ferulic>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/gallicacid>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/ellagicacid>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/benzaldehyde>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/castalginvescalagin>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/genticic>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/salicylic>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/stilbenes>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/resveratrol>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/viniferins>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/quercetin>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/kaempferol>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/myricetin>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/epicatechin>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/eoucatecgub-3-O-Galleate>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/proanthocyanidin>
NIH US National Library of Medicine, National Centre for Biotechnology Information PubChem Open Chemistry
Database. <https://pubchem.ncbi.nlm.nih.gov/compound/anthocyanin>

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BOTANICAL INNOVATIONS NEW PHENOLIC RICH PHYTONUTRIENTS PRODUCT RANGE

Botanical Innovations has spent 2 years undertaking research and development to develop proprietary technologies to manufacture its unique range of phenolic rich phytonutrients.

PLANT EXTRACTS

Red Grape Skin Extract
White Grape Skin Extract
Red Grape Seed Extract
White Grape Seed Extract
Australian French Oak Extract

FERMENTED PLANT EXTRACTS

Fermented Red Grape Seed Extract
Fermented White Grape Seed Extract
Fermented Red Grape Skin Extract
Fermented White Grape Skin Extract
Fermented Apple Peel Extract

COLD PRESSED SEED OILS

Australian Grape Seed Oil
Australian French Oak Grape Seed Oil
Australian Macadamia Grape Seed Oil
Australian Apple Seed Oil
Australian Apple Macadamia Seed Oil
Australian Sweet Cherry Seed Oil
Australian Sweet Cherry Macadamia Seed Oil

FERMENTED FRUIT & VINEGAR

Australian Apple Cider Vinegar

FRUIT POWDERS

Red Grape Seed Powder
White Grape Seed Powder
Apple Peel Powder

ESSENTIAL OILS

Australian Buddha Wood Essential Oil



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

PLANT EXTRACTS

WATER SOLUBLE LIQUID EXTRACTS

**CREATE - DIFFERENTIATE - COMBINE PHENOLIC RICH EXTRACTS
INTO YOUR FORMULATIONS & PRODUCTS TO CREATE TRULY
FUNCTIONAL PRODUCTS**

AUSTRALIAN RED GRAPE SKIN EXTRACT

Concentrated Red Grape Skin Extract with
Resversatrol and Anthocyanins.
Total Phenolic content: 30,000-70,000 mg/L

AUSTRALIAN RED GRAPE SEED EXTRACT

Concentrated Red Grape Seed Extract with
Anthocyanins, Phenols and Antioxidants.
Total Phenolic content: 30,000-70,000 mg/L

AUSTRALIAN WHITE GRAPE SKIN EXTRACT

Concentrated White Grape Skin Extract with
Resversatrol and Anthocyanins.
Total Phenolic content: 30,000-70,000 mg/L

AUSTRALIAN WHITE GRAPE SEED EXTRACT

Concentrated Red Grape Seed Extract with
Anthocyanins, Phenols and Antioxidants.
Total Phenolic content: 30,000-70,000 mg/L

AUSTRALIAN APPLE PEEL EXTRACT

Concentrated Apple Peel Extract with
Phenols, Quercetin, Antioxidants.
Total Phenolic content: 30,000-70,000 mg/L

AUSTRALIAN FRENCH OAK EXTRACT

Concentrated Roasted French Oak Extract
with Concentrated Phenols, Antioxidants,
Quercetin, Vescalagin, Castalagin, Eliagic
Acid.



Contact us for further details
Call +61 488196527 Email: KerryFerguson@bigpond.com
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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

PHENOLIC PROFILE

GRAPE SEED EXTRACT
GRAPE SKIN EXTRACT
APPLE SKIN EXTRACT
FRENCH OAK EXTRACT

Phenolic compounds are the chemicals produced by plants from photosynthesis.

A plant will produce phenolic compounds to adapt to changing environmental conditions flood, drought, heat, cold, nutritional stress and disease.

Botanical Innovations Products	Grape Seed Extract	Grape Skin Extract	Apple Peel Extract	French Oak Extract
Hydroxycinnamic Acids	•	•	•	•
P-coumaric	•	•	•	•
Caffeic	•	•	•	
Ferulic	•	•	•	
Hydroxybenzoic acids	•	•	•	•
Gallic	•	•	•	•
Ellagic Acid	•	•	•	•
Benzaldehyde				•
Castalgin Vescalagin				•
Gentistic	•	•	•	
Salicylic	•	•	•	
Stilbenes	•	•	•	
Resveratrol	•	•		
Viniferins	•	•		
Flavonols	•	•	•	•
Quercetin	•	•	•	•
Kaempferol	•	•	•	
Myricetin	•	•	•	
Flavan-3-ols	•	•	•	•
Catechin	•	•	•	
Eipcatechin	•	•	•	
Epicatechin-3-O-Galleate	•	•	•	
Pronthocyanidins	•	•		
Anthocyanins	•	•		

Botanical Innovations has created a unique set of phenolic rich ingredients which contain concentrated phenolics with unique properties developed by plants over millions of years.

A plants phenolic compound is divided into primary and secondary.

Primary Phenolic Compounds (metabolites): Sugars, Fatty Acids, Amino Acids and Nucleic Acids

Secondary Phenoloic Compounds (metabolites) are more complex and believed to be responsible for the plants respiratory systems and its ability to survive in the environment.

Secondary Phenolic Compounds include Antioxidants, Hyroxycinnamic Acids, Hydroxybenzoic Acids Stilbenes, Flavonoids Flavonols and Flavan-3-ols

Botanical Innovations **GRAPE, APPLE** and **FRENCH OAK** range of products contain both primary and secondary phenolic compounds which, provide added health and functional benefits to our products.



AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

PLANT EXTRACTS FUNCTIONAL FOOD & BEVERAGE APPLICATIONS

	Grape Seed Extract	Grape Skin Extract	Apple Peel Extract	French Oak Extract
Functional Food Applications				
Flavouring
Condiments
Spice Mixes				
Vinegar		.		
Oil				
Savour Sauces
Sweet Sauces
Prepared Meals
Soups
Deserts
Diary Products
Ice Cream
Yogurt
Cheese
Confectionary	.	.	.	
Flour	.	.	.	
Bakery Mixes	.	.	.	
Bakery Goods
Bread	.	.	.	
Biscuits
Pastry	.	.	.	
Snack Foods	.	.	.	
Functional Beverage Applications				
Fermented Drinks
Soft Drinks
Energy Drinks
Mixers
Cocktail Mixes
Syrups
Premixed Teas
Flavoured Milks
Flavoured Waters
Fruit Juices

GRAPE EXTRACTS

Red Grape Seed
Red Grape Skin
White Grape Seed
White Grape Skin

APPLE EXTRACT

Apple Skin

FRENCH OAK EXTRACT

French Oak

Create Super Food and Beverages

Add Botanical Innovations Extracts

Antioxidants
Free Radical Scavengers

Numerous Health Benefits



AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

AUSTRALIAN RED GRAPE SEED EXTRACT

Differentiate your product range and product flavour and functional health profile with concentrated polyphenols, antioxidants and Vitamin C.

INGREDIENTS

Product Name: **AUSTRALIAN RED GRAPE SEED EXTRACT**

Botanical Name: Vitis Vinifera

CAS: 84929-27-1

INCI: Vitis Vinifera (Red grape) seed extract

Description: 100% Red Grape Seed Extract
Ethanol and Water Extraction

PRODUCT

AUSTRALIAN RED GRAPE SEED EXTRACT

Total Phenolic Content

30,000-70,000 mg/L

CONCENTRATED NATURAL COMPOUNDS

AUSTRALIAN RED GRAPE SEED EXTRACT

contains the following highly concentrated natural compounds

Antioxidants: Capture oxygen delaying oxidation which may prevent or delay cell damage.

Polyphenols: Large group of molecules found in plants. These compounds are responsible for the taste, colour and mouthfeel and are divided into phenolic acids and flavonoids. Polyphenols found in

AUSTRALIAN RED GRAPE SEED EXTRACT:

Flavonoids, Anthocyanins, Resveratrol, Vitamin C and Vitamin E.

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AUSTRALIAN RED SEED EXTRACT

MADE WITH AUSTRALIAN COLD CLIMATE GRAPES GROWN 600M ABOVE SEA LEVEL. GROWN IN TEMPERATURES RANGING FROM -10 TO 40 DEGREES CELCIUS CREATING A UNIQUE PHENOLIC PROFILE

**IT TAKES 100 kg GRAPES 50 g GRAPE SEED EXTRACT
30,000-70,000 PHENOLS**

APPLICATIONS FLAVOURS & INGREDIENTS

Origin
Shelf Life
MOQ

Australia
Unopened 24 Months
10 Litres



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET

PRODUCT

AUSTRALIAN RED GRAPE SEED EXTRACT

SPECIFICATIONS

AUSTRALIAN RED GRAPE SEED EXTRACT

Colour	Light Brow Red to Deep Red
Total Polyphenol	30,000-80,000 m/L
Brix	15-30% Per 100 g
Energy	110 kg Per 100 ml
Protein	< 1.0 g Per 100 ml
Saturated Fat	< 0.1 g Per 100 ml
Carbohydrate Total	< 7 g Per 100 ml
Sodium	3.2 mg
Soluble	Complete
Contains Ethanol	

**CREATE NEW PROFILES WITH
FUNCTIONAL HEALTH BENEFITS
IN YOUR PRODUCTS AND
FORMULATIONS**

**AUSTRALIAN RED GRAPE
SEED EXTRACT
MADE WITH
100% AUSTRALIAN GRAPES
IT TAKES 100 kg GRAPES
50 g GRAPE SEED EXTRACT
30,000-70,000 PHENOLS**



PACKAGING

5 Litre, 10 Litre, 20 Litre 50 Litre, 100 Litre,
200 Litre Drums, 1,000 Litre IBC
For orders over 1,000 Litres contact us to discuss
your requirements

SHELF LIFE AND STORAGE

Shelf Life 2 years unopened in original
packaging.

ALLERGENS

	Contains/ Potential Contamination
Cereals & cereal products + Gluten	No
Crustaceans & their products	No
Eggs & egg products	No
Fish & fish products	No
Peanuts or peanut products	No
Soybeans or their products	No
Milk or milk products	No
Nuts & nut products	No
Celery & celery products	No
Mustard & mustard products	No
Sesame seeds & sesame products	No
Sulphur dioxide & sulphites	No

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Botanical
Innovations

PURE NATURE

AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

AUSTRALIAN RED GRAPE SKIN EXTRACT

Differentiate your product range and product and functional health profile with concentrated antioxidants, polyphenols and resveratrol.

INGREDIENTS

Product Name: **AUSTRALIAN RED GRAPE SKIN EXTRACT**

Botanical Name: Vitis Vinifera

CAS: 11029-12-2

INCI: Vitis Vinifera (red grape) Skin Extract

Description: 100% Red Grape Skin Extract

Ethanol and Water Extraction

PRODUCT

AUSTRALIAN RED GRAPE SKIN EXTRACT
30,000-70,000 PHENOLS
CONTAINS RESVERATROL

CONCENTRATED NATURAL COMPOUNDS

AUSTRALIAN RED GRAPE SKIN EXTRACT

products contain the following highly concentrated natural compounds

Antioxidants: Capture oxygen delaying oxidation which may prevent or delay cell damage.

Polyphenols: Large group of molecules found in plants. These compounds are responsible for the taste, colour and mouthfeel and are divided into phenolic acids and flavonoids.

AUSTRALIAN RED GRAPE SKIN EXTRACT

contains: **Hydroxycinnamic acids:** p-coumaric, caffeic, ferulic, **Stilbenes;** resveratrol, viniferins,

Flavonols, quercetin, kaempferol, myricetin,

Flavan-3-ols; catechin, epicatechin, epigallocatechin, proanthocyanidins, anthocyanins.

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AUSTRALIAN RED GRAPE SKIN EXTRACT

**CONCENTRATED
ANTIOXIDANTS, POLYPHENOLS
AND RESVERATROL**

TOTAL PHENOLIC CONTENT
30,000-70,000 mg/L

CREATE-DIFFERENTIATE

**APPLICATIONS
FLAVOUR & INGREDIENT**

Origin
Shelf Life
MOQ

Australia
Unopened 24 Months
500 ML



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

AUSTRALIAN RED GRAPE SKIN EXTRACT

SPECIFICATIONS

AUSTRALIAN RED GRAPE SKIN EXTRACT

Colour Golden to Brown
Soluble Complete
Concentrated Resveratrol

Resveratrol falls into a broader class of phytochemicals called polyphenols which have strong antioxidant and anti-inflammatory properties.

Resveratrol is thought to be one of the compounds responsible for the health benefits of a Mediterranean-style diet.

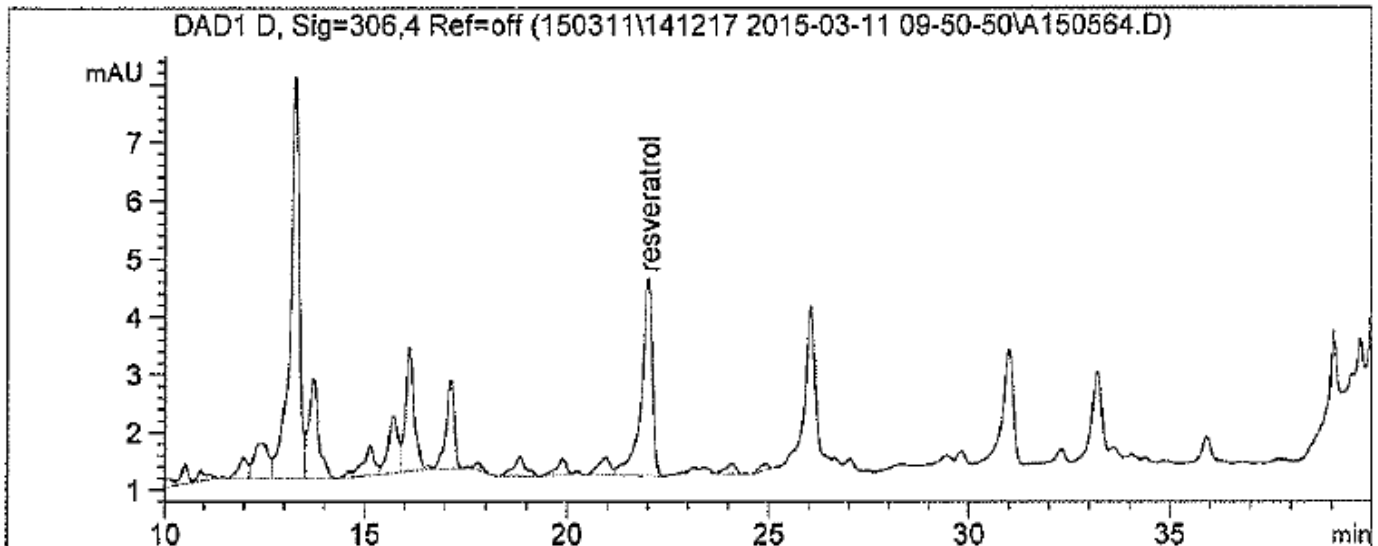


PACKAGING

500ml, 1 Litre, 5 Litre, 10 Litre, 20 Litre 50 Litre,
100 Litre, 200 Litre Drums, 1,000 Litre IBC
For orders over 1,000 Litres contact us to discuss
your requirements

SHELF LIFE AND STORAGE

Shelf Life 2 years unopened in original
packaging.



Test: Resveratrol, Test Method ARL-TM 170
Southern Cross Plant Science Analytical Research
Laboratory March 2015. As this is a natural product
test results will vary. Batch test results will be available
at the time of purchase.

**DIFFERENTIATE-CREATE
NEW FUNCTIONAL
FORMULATIONS**



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

AUSTRALIAN WHITE GRAPE SEED EXTRACT

Differentiate your product range and functional health profile with concentrated polyphenols, antioxidants and Vitamin C.

INGREDIENTS

Product Name: **AUSTRALIAN WHITE GRAPE SEED EXTRACT**

Botanical Name: Vitis Vinifera

CAS: 84929-27-1

INCI: Vitis Vinifera (white grape) seed extract

Description: 100% White Grape Seed Extract

Ethanol and Water Extraction

PRODUCT

AUSTRALIAN WHITE GRAPE SEED EXTRACT

Total Phenolic Content
30,000-70,000 mg/L

CONCENTRATED NATURAL COMPOUNDS

AUSTRALIAN WHITE GRAPE SEED EXTRACT

contains the following highly concentrated natural compounds. **Antioxidants:**

Capture oxygen delaying oxidation which may prevent or delay cell damage. **Polyphenols:**

Large group of molecules found in plants. These compounds are responsible for the taste, colour and mouthfeel and are divided into phenolic acids and flavonoids. Polyphenols found in:

AUSTRALIAN WHITE GRAPE SEED EXTRACT

Flavonoids, Anthocyanins, Resveratrol, Vitamin C and Vitamin E.

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AUSTRALIAN WHITE SEED EXTRACT

**MADE WITH AUSTRALIAN COLD
CLIMATE GRAPES GROWN 600M
ABOVE SEA LEVEL. GROWN IN
TEMPERATURES RANGING
FROM -10 TO 40 DEGREES
CELCIUS CREATING A UNIQUE
PHENOLIC PROFILE**

**IT TAKES 100 kg GRAPES 50 g
GRAPE SEED EXTRACT
30,000-70,000 PHENOLS**

APPLICATIONS

FLAVOUR & INGREDIENT

Origin
Shelf Life
MOQ

Australia
Unopened 24 Months
500ML



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

**Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders**

DATA SHEET PRODUCT

AUSTRALIAN WHITE GRAPE SEED EXTRACT

SPECIFICATIONS

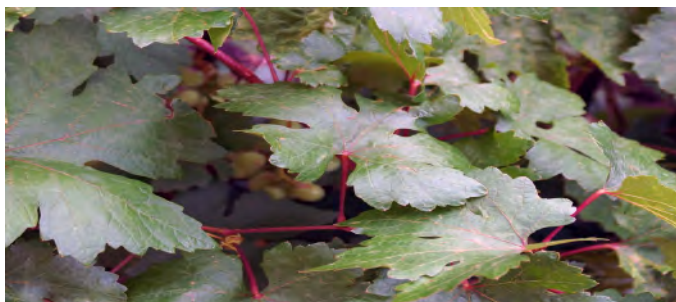
AUSTRALIAN WHITE GRAPE SEED EXTRACT

Colour	Light Beige to Deep Amber
Total Polyphenol	30,000-70,000 m/L
Brix	15-30% Per 100 g
Energy	110 kg Per 100 ml
Protein	< 1.0 g Per 100 ml
Saturated Fat	< 0.1 g Per 100 ml
Carbohydrate Total	< 7 g Per 100 ml
Sodium	3.2 mg
Soluble	Complete

**CREATE NEW PROFILES WITH
FUNCTIONAL HEALTH BENEFITS
IN YOUR PRODUCTS AND
FORMULATIONS**

**AUSTRALIAN WHITE GRAPE
SEED EXTRACT
MADE WITH
100% AUSTRALIAN GRAPES
IT TAKES 100 kg GRAPES
50 g GRAPE SEED EXTRACT
30,000-70,000 Phenols**

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PACKAGING

500ML, 1 Litre, 5 Litre, 10 Litre, 20 Litre 50 Litre,
100 Litre, 200 Litre Drums, 1,000 Litre IBC
For orders over 1,000 Litres contact us to discuss
your requirements

SHELF LIFE AND STORAGE

Shelf Life 2 years unopened in original
packaging.

ALLERGENS

	Contains/ Potential Contamination
Cereals & cereal products + Gluten	No
Crustaceans & their products	No
Eggs & egg products	No
Fish & fish products	No
Peanuts or peanut products	No
Soybeans or their products	No
Milk or milk products	No
Nuts & nut products	No
Celery & celery products	No
Mustard & mustard products	No
Sesame seeds & sesame products	No
Sulphur dioxide & sulphites	No



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET

PRODUCT

AUSTRALIAN WHITE GRAPE SKIN EXTRACT

Differentiate your product range and functional health profile with concentrated antioxidants, polyphenols and resveratrol.

INGREDIENTS

Product Name: **AUSTRALIAN WHITE GRAPE SKIN EXTRACT**

Botanical Name: Vitis Vinifera

CAS: 11029-12-2

INCI: Vitis Vinifera (red grape) Skin Extract

Description: 100% Red Grape Skin Extract

Ethanol and Water Extraction

PRODUCT

AUSTRALIAN WHITE GRAPE SKIN EXTRACT
30,000-70,000 PHENOLS
CONTAINS RESVERATROL

CONCENTRATED NATURAL COMPOUNDS

AUSTRALIAN WHITE GRAPE SKIN EXTRACT

products contain the following highly concentrated natural compounds

Antioxidants: Capture oxygen delaying oxidation which may prevent or delay cell damage.

Polyphenols: Large group of molecules found in plants. These compounds are responsible for the taste, colour and mouthfeel and are divided into phenolic acids and flavonoids.

AUSTRALIAN WHITE GRAPE SKIN EXTRACT

contains: **Hydroxycinnamic acids:** p-coumaric, caffeic, ferulic, **Stilbenes;** resveratrol, viniferins,

Flavonols, quercetin, kaempferol, myricetin,

Flavan-3-ols; catechin, epicatechin, epigallocatechin, proanthocyanidins, anthocyanins.

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AUSTRALIAN WHITE GRAPE SKIN EXTRACT
CONCENTRATED
ANTIOXIDANTS, POLYPHENOLS
AND RESVERATROL
TOTAL PHENOLIC CONTENT
30,000-70,000 mg/L

CREATE-DIFFERENTIATE WITH
AUSTRALIAN WHITE GRAPE
SKIN EXTRACT.

APPLICATIONS FLAVOUR & INGREDIENT

Origin	Australia
Shelf Life	Unopened 24 Months
MOQ	500ML



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

AUSTRALIAN WHITE GRAPE SKIN EXTRACT

SPECIFICATIONS

AUSTRALIAN WHITE GRAPE SKIN EXTRACT

Colour Golden to Brown
Soluble Complete
Concentrated Resveratrol

Resveratrol falls into a broader class of phytonutrients called polyphenols which have strong antioxidant and anti-inflammatory properties. Resveratrol, is thought to be one of the compounds responsible for the health benefits of a Mediterranean-style diet.

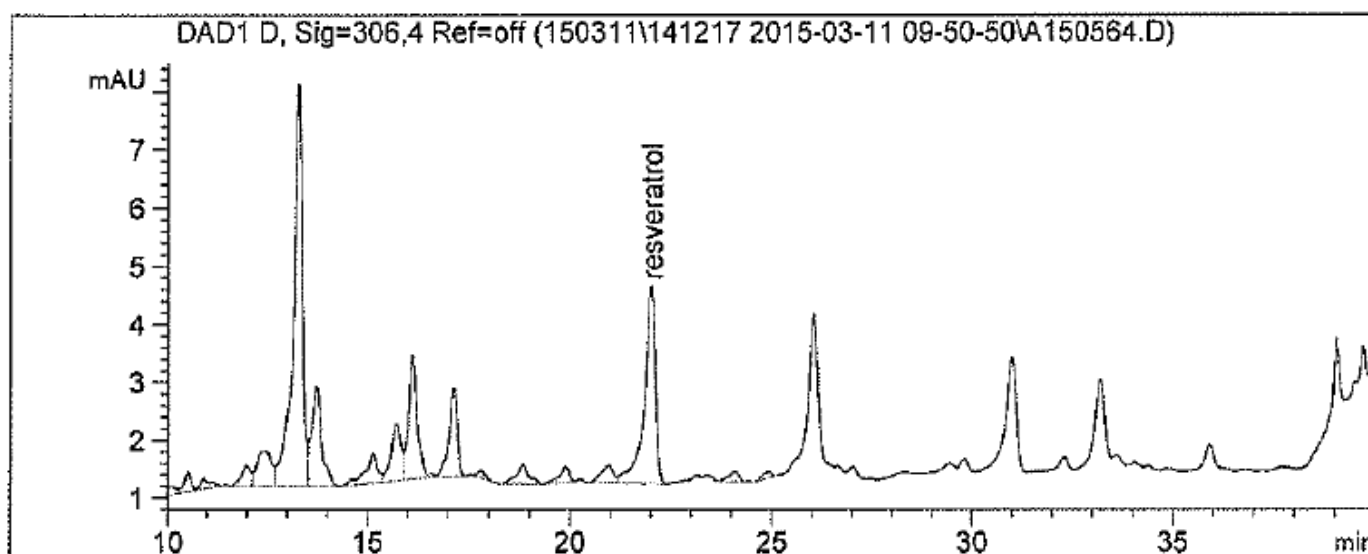


PACKAGING

500ml, 1 Litre, 5 Litre, 10 Litre, 20 Litre 50 Litre, 100 Litre, 200 Litre Drums, 1,000 Litre IBC
For orders over 1,000 Litres contact us to discuss your requirements

SHELF LIFE AND STORAGE

Shelf Life 2 years unopened in original packaging.



Test: Resveratrol, Test Method ARL-TM 170
Sounthern Cross Plant Science Analytical Research
Laboratory March 2015. As this is a natural product
test results will vary. Batch test results will be available
at the time of purchase.

**DIFFERENTIATE-CREATE
NEW FUNCTIONAL
FORMULATIONS**



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

AUSTRALIAN APPLE PEEL EXTRACT

Differentiate your product range, aroma and functional health profile with concentrated antioxidants, polyphenols.

INGREDIENTS

Product Name:

AUSTRALIAN APPLE PEEL EXTRACT

Botanical Name : Pyrus Malus (Apple) Peel Extract

INCI: Pyrus Malus Extract

CAS: 89957-84-3

Description: 100% Apple Peel Extract

PRODUCT RANGE

AUSTRALIAN APPLE PEEL EXTRACT

30,000-70,000mg/L Phenols

Contains Quercetin, Antioxidants

CONCENTRATED NATURAL COMPOUNDS

AUSTRALIAN APPLE PEEL EXTRACT

products contain the following highly concentrated natural compounds

Antioxidants: Capture oxygen delaying oxidation which may prevent or delay cell damage.

Polyphenols: Large group of molecules found in plants. These compounds are responsible for the taste, colour and mouthfeel and are divided into phenolic acids and flavonoids.

AUSTRALIAN APPLE PEEL EXTRACT

contains concentrated quercetin, triterpenoids, ursolic acid, Vitamin A, Vitamin C and minerals

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AUSTRALIAN APPLE PEEL EXTRACT

**CONCENTRATED
ANTIOXIDANTS, POLYPHENOLS.**

AUSTRALIAN APPLE PEEL EXTRACT

APPLICATIONS FLAVOUR, FRAGRANCE & INGREDIENT

Origin	Australia
Shelf Life	Unopened 24 Months
MOQ	500ML



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

**Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders**

DATA SHEET

PRODUCT

AUSTRALIAN APPLE PEEL EXTRACT

SPECIFICATIONS

AUSTRALIAN APPLE PEEL EXTRACT

Colour	Light white to clear
Aroma	Light Apple
Soluble	Complete
Concentrated	Vitamin C
Concentrated	Phenols

**ADD PHENOLS AND
ANTIOXIDANTS TO
YOUR FORMULATIONS
AND PRODUCTS WITH
AUSTRALIAN APPLE PEEL
EXTRACT**

**MILD APPLE AROMA
50 ML OF APPLE PEEL
EXTRACT
CONCENTRATES
100 KG OF APPLES**



PACKAGING

500ml, 1 Litre, 5 Litre, 10 Litre, 20 Litre 50 Litre,
100 Litre, 200 Litre Drums, 1,000 Litre IBC
For orders over 1,000 Litres contact us to discuss
your requirements

SHELF LIFE AND STORAGE

Shelf Life 2 years from date of manufacture
Store in cool dry environment below 25 degrees
celcius. Refrigerate once open and use with 7
days of opening.

ALLERGENS

	Contains/ Potential Contamination
Cereals & cereal products + Gluten	No
Crustaceans & their products	No
Eggs & egg products	No
Fish & fish products	No
Peanuts or peanut products	No
Soybeans or their products	No
Milk or milk products	No
Nuts & nut products	No
Celery & celery products	No
Mustard & mustard products	No
Sesame seeds & sesame products	No
Sulphur dioxide & sulphites	No

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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

AUSTALIAN FRENCH OAK EXTRACT

Differentiate your product range, aroma and functional health profile with concentrated antioxidants, and phenols.

INGREDIENTS

Product Name: **AUSTRALIAN FRENCH OAK EXTRACT**

Botanical Name: Quercus Robur

CAS: 97676-29-4

Description: French Oak Wood Extract

PRODUCT RANGE

FRENCH OAK EXTRACT

Sensual Oak Aroma. Cinamon, Musk, Woody Notes
Concentrated Phenol

CONCENTRATED NATURAL COMPOUNDS

French Oak Extract contains concentrated phenols

Antioxidants: Capture oxygen delaying oxidation which may prevent or delay cell damage.

Polyphenols: Large group of molecules found in plants. These compounds are responsible for the taste, colour and mouthfeel and are divided into phenolic acids and flavoniods.

Australian French Oak Extract contains:

Gallic Acids, Ellagic Acids, Vanillic Acids, Syringic Acids, Ferulic Acids, Vanillin, Syringaldehyde, Syringic Acid, Aesculetin, Scopoletin, Roburins A-E, Grandinin, Vescalagin, Castalagin.⁽¹⁾

(1) Oh Zhang, Jian Cai, Chang-Qing Duan, Malcolm J Reeves, Fei He, A Reivew of Polyphenolics in Oak Woods, Int. J. Mol, 2015,16,6978-7104; doi:10.3390/jms 1604 6978.

TRADITION AND HISTORY

There are over 600 varieities of Oak trees distributed throughout the Northern Hemisphere. The timber has been valued for centuries for ship building, fine furniture and panelling. One of the earliest uses of Oak was for manufacturing barrels for wine dating back to 2000 years to Ancient Rome. Wine aging oak barrels was practical and improved the falvour of wine due to the unique phenolic content of the heartwood. It is these phenolic compounds that have been concentrated in Botanical Innovations Australian French Oak Extract.



AUSTRALIAN FRENCH OAK EXTRACT

CONCENTRATED PHENOLS ANTIOXIDANTS

SENSUAL OAK AROMA WOODY, MUSK, CINAMON NOTES

APPLICATIONS FLAVOURING, FRAGRANCE & INGREDIENT

Origin
Shelf Life
MOQ

Australia
Unopened 24 Months
500 ML



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

AUSTRALIAN FRENCH OAK EXTRACT

SPECIFICATIONS

FRENCH OAK EXTRACT

Colour	Dark Brown - Red
Aroma	Oak, Wood, Musk, Cinamon
Soluble	Complete
Concentrated	Polyphenol

ADD NEW FUNCTIONALITY TO YOUR FORMULATIONS AND PRODUCTS WITH FRENCH OAK EXTRACT

**Sensual Oak Aroma, Wood,
Musk, Cinamon**

**Concentrated Phenol,
Quercetin and powerful
Antioxidants Ellagic Acid,
Castalagin, Ellagic Acid**

PHARMACOLOGICAL ACTIVITY

Studies indicate Oak Phenols may possess a number of phamacological activities including anticancer, antidiabetic, antihypertensive and antimicrobial. (1)

(1) Oh Zhang, Jian Cai, Chang-Qing Duan, Malcolm J Reeves, Fei He, A Reivew of Polyphenolics in Oak Woods, Int. J. Mol. 2015,16,6978-7104; doi:10.3390/jms 1604 6978

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PACKAGING

500ml, 1 Litre, 5 Litres, 10 Litre, 20 Litre 50 Litre, 100 Litre, 200 Litre Drums, 1,000 Litre IBC

For orders over 1,000 Litres contact us to discuss your requirements

SHELF LIFE AND STORAGE

Shelf Life 2 years from date of manufacture
Store in cool dry environment below 25 degrees celcius. Refrigerate once open and use with 7 days of opening.

ALLERGENS

	Contains/ Potential Contamination
Cereals & cereal products + Gluten	No
Crustaceans & their products	No
Eggs & egg products	No
Fish & fish products	No
Peanuts or peanut products	No
Soybeans or their products	No
Milk or milk products	No
Nuts & nut products	No
Celery & celery products	No
Mustard & mustard products	No
Sesame seeds & sesame products	No
Sulphur dioxide & sulphites	No



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

FERMENTED EXTRACTS

**NEW LIGHTLY ACIDIC FUNCTIONAL INGREDIENTS
WITH CONCENTRATED PHENOLS FOR ADDED
HEALTH & WELLNESS BENEFITS**

**NEW CLASS OF WATER
SOLUBLE EXTRACTS WITH
AN ACIDIC BASE TO
INCREASE SHELF LIFE
AND FUNCTIONALITY**

FERMENTED RED GRAPE SEED EXTRACT

Shelf stable preservative free slightly
acidic red grape seed extract with
concentrated Phenolics, Antioxidants.
& Anthocyanins. Total Phenolic content
10,000-50,000mg/L

FERMENTED WHITE GRAPE SEED EXTRACT

Shelf stable preservative free slightly
acidic white grape seed extract with
concentrated Phenolics, Antioxidants..
Total Phenolic content 10,000-50,000mg/L

FERMENTED RED GRAPE SKIN EXTRACT

Shelf stable preservative free slightly
acidic red grape skin extract with
concentrated Phenolics, Antioxidants..
Anthocyanins & Resveratrol.Total Phenolic
content 10,000-50,000mg/L

FERMENTED WHITE GRAPE SKIN EXTRACT

Shelf stable preservative free slightly
acidic white grape skin extract with
concentrated Phenolics, Antioxidants..
Anthocyanins & Resveratrol.Total Phenolic
content 10,000-50,000mg/L

FERMENTED APPLE PEEL EXTRACT

Shelf stable preservative free slightly
acidic apple peel extract with Quercetin,
Phenols and Antioxidants. Phenolic content
10,000-50,000mg/L.



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT FERMENTED APPLE PEEL EXTRACT

Differentiate your product range and functional health profile with concentrated antioxidants, polyphenols.

INGREDIENTS

Product Name: **FERMENTED APPLE PEEL EXTRACT**

Botanical Name : *Malus Domestic, Malus Pumila*

INCI: Pyrus Malus Extract

CAS: 89957-84-3

Description: 100% Apple Peel Extract

PRODUCT

FERMENTED APPLE PEEL EXTRACT

Acidity 1.5-4%

Total Phenolic Content: 10,000-50,000 mg/L

CONCENTRATED NATURAL COMPOUNDS

FERMENTED APPLE PEEL EXTRACT products contain the following highly concentrated natural compounds **Antioxidants:** Capture oxygen delaying oxidation which may prevent or delay cell damage. **Polyphenols:** Large group of molecules found in plants. These compounds are responsible for taste, colour and mouthfeel and are divided into phenolic acids and flavonoids.

FERMENTED APPLE PEEL EXTRACT contains concentrated quercetin, triterpenoids, ursolic acid, Vitamin A, Vitamin C and minerals

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FERMENTED APPLE PEEL EXTRACT CONCENTRATED ANTIOXIDANTS, POLYPHENOLS.

**TOTAL PHENOLIC CONTENT
10,000-50,000 mg/L**

FERMENTED APPLE PEEL EXTRACT

**APPLICATIONS
FLAVOUR & INGREDIENT**

Origin	Australia
Shelf Life	Unopened 24 Months
MOQ	500ML



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

PHENOLIC PROFILE

FERMENTED GRAPE SEED EXTRACT FERMENTED GRAPE SKIN EXTRACT FERMENTED APPLE PEEL EXTRACT

	Fermented Grape Seed Extract	Fermented Grape Skin Extract	Fermented Apple Peel Extract
Hydroxycinnamic Acids	▪	▪	▪
p-coumaric	▪	▪	▪
caffeic	▪	▪	▪
ferulic	▪	▪	▪
Hydroxybenzoic acids	▪	▪	▪
Gallic	▪	▪	▪
Ellagic Acid	▪	▪	▪
Stilbenes	▪	▪	▪
Resveratrol	▪	▪	▪
Viniferins	▪	▪	▪
Flavonols	▪	▪	▪
Quercetin	▪	▪	▪
Kaempferol	▪	▪	▪
Myricetin	▪	▪	▪
Flavan-3-ols	▪	▪	▪
Catechin	▪	▪	▪
Eipcatechin	▪	▪	▪
Epicatechin-3-O- Galleate	▪	▪	▪
Pronthocyanidins	▪	▪	▪
Anthocyanins	▪	▪	▪

Phenolic compounds are the chemicals produced by plants from photosynthesis.

A plant will produce phenolic compounds to adapt to changing environmental conditions flood, drought, heat, cold, nutritional stress and disease.

Botanical Innovations has created a unique set of phenolic rich ingredients which contain concentrated phenolics with unique properties developed by plants over millions of years.

A plants phenolic compound is divided into primary and secondary.

Primary Phenolic Compounds (metabolites): Sugars, Fatty Acids, Amino Acids and Nucleic Acids

Secondary Phenoloic Compounds (metabolites) are more complex and believed to be responsible for the plants respiratory systems and its ability to survive in the environment.

Secondary Phenolic Compounds include Antioxidants, Hydroxycinnamic Acids, Hydroxybenzoic Acids Stilbenes, Flavonoids Flavonols and Flavan-3-ols

Botanical Innovations range of products contain both primary and secondary phenolic compounds which, provide added health and functional benefits to our products.



AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

FERMENTED EXTRACTS FOOD & BEVERAGE APPLICATIONS

	Fermented Grape Seed Extract	Fermented Grape Skin Extract	Fermented Apple Peel Extract
Functional Food Applications			
Flavouring	▪	▪	▪
Condiments	▪	▪	▪
Spice Mixes			
Vinegar	▪	▪	▪
Oil			
Savour Sauces	▪	▪	▪
Sweet Sauces	▪	▪	▪
Prepared Meals	▪	▪	▪
Soups	▪	▪	▪
Deserts	▪	▪	▪
Diary Products	▪	▪	▪
Ice Cream	▪	▪	▪
Yogurt	▪	▪	▪
Cheese	▪	▪	▪
Confectionary	▪	▪	▪
Flour	▪	▪	▪
Bakery Mixes	▪	▪	▪
Bakery Goods	▪	▪	▪
Bread	▪	▪	▪
Biscuits	▪	▪	▪
Pastry	▪	▪	▪
Snack Foods	▪	▪	▪
Functional Beverage Applications			
Fermented Drinks	▪	▪	▪
Soft Drinks	▪	▪	▪
Energy Drinks	▪	▪	▪
Mixers	▪	▪	▪
Cocktail Mixes	▪	▪	▪
Syrups	▪	▪	▪
Premixed Teas	▪	▪	▪
Flavoured Milks	▪	▪	▪
Flavoured Waters	▪	▪	▪
Fruit Juices	▪	▪	▪



AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

FERMENTED PLANT EXTRACTS NATURAL HEALTHCARE APPLICATIONS

	Grape Seed Extract	Grape Skin Extract	Apple Peel Extract	French Oak Extract
Health Supplement	▪	▪	▪	▪
Osteo Support Formulas	▪	▪	▪	▪
Whole Food Supplements	▪	▪	▪	▪
Antioxidant Formulas	▪	▪	▪	▪
Fibre Formulas	▪	▪	▪	▪
Dairy Free Formulas	▪	▪	▪	▪
Vitamin and Mineral Supplements	▪	▪	▪	▪
Probiotic Supplements	▪	▪	▪	▪
Specialty Supplements	▪	▪	▪	▪
Botanical Supplements	▪	▪	▪	▪
Sports Nutrition	▪	▪	▪	▪
Weight Management Formulas	▪	▪	▪	▪

Botanical Innovations plant extracts contain concentrated phenolic rich phytonutrients including powerful antioxidants.

The phenols in Botanical Innovations plant extracts are water soluble bioflavonoids that benefits the body by fighting free radicals.

Published research has identified the following potential health benefits associated with the antioxidants derived from plant extracts

Age-related macular degeneration (AMD).	Attention deficit-hyperactivity disorder (ADHD)
Blood circulation problems in the legs	Canker sores.
Chronic fatigue syndrome (CFS)	Constipation
Coughs	Diarrhea
Heart disease	Heavy menstrual periods
Hemorrhoids	High blood pressure
High cholesterol levels	Liver damage
Nasal allergies	Poor night vision
Varicose veins	

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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

FERMENTED RED GRAPE SEED EXTRACT

Differentiate your product range, flavour and functional health profile with concentrated polyphenols, antioxidants and Vitamin C.

INGREDIENTS

Product Name: **FERMENTED RED GRAPE SEED EXTRACT**

Botanical Name: *Vitis Vinifera*

CAS: 84929-27-1

INCI: Vitis Vinifera (Red grape) seed extract

Description: 100% Red Grape Seed Extract

Ethanol and Water Extraction

PRODUCT

FERMENTED RED GRAPE SEED EXTRACT

Total Phenolic Content 10,000-50,000mg/L

Acidity 1-4%

CONCENTRATED NATURAL COMPOUNDS

FERMENTED RED GRAPE SEED EXTRACT

products contain the following highly concentrated natural compounds. **Antioxidants:** Capture oxygen which may prevent or delay cell damage.

Polyphenols: Large group of molecules found in plants. These compounds are responsible for the taste, colour and mouthfeel and are divided into phenolic acids and flavonoids. Polyphenols found in

FERMENTED RED GRAPE SEED EXTRACT:
Flavonoids, Anthocyanins, Resveratrol, Vitamin C and Vitamin E.

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FERMENTED RED GRAPE SEED EXTRACT IS MADE WITH 100% AUSTRALIAN GRAPES IT TAKES 100 kg GRAPES 50 g GRAPE SEED EXTRACT PHENOLIC CONTENT 10,000-50,000 mg/L

MILD SWEET VINEGAR FLAVOUR

**APPLICATIONS
FLAVOUR & INGREDIENT**

Origin
Shelf Life
MOQ

Australia
Unopened 24 Months
500ML



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

**Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders**

DATA SHEET PRODUCT

FERMENTED RED GRAPE SEED EXTRACT

SPECIFICATIONS

FERMENTED GRAPE SEED EXTRACT

Colour	Light Brow Red to Deep Red
Total Polyphenol	10,000-50,000 m/L
Brix	15-30% Per 100 g
Energy	110 kg Per 100 ml
Protein	< 1.0 g Per 100 ml
Saturated Fat	< 0.1 g Per 100 ml
Carbohydrate Total	< 7 g Per 100 ml
Sodium	3.2 mg
Soluble	Complete
Soluble	Complete
Acidity	1.5-4%

CREATE NEW FUNCTIONAL PROFILES WITH FERMENTED GRAPE SEED EXTRACT

**FERMENTED GRAPE SEED
EXTRACT IS MADE WITH
100% AUSTRALIAN GRAPES
IT TAKES 100 kg GRAPES
50 g GRAPE SEED EXTRACT**

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PACKAGING

500ML, 1 Litre, 5 Litre, 10 Litre, 20 Litre 50 Litre,
100 Litre, 200 Litre Drums, 1,000 Litre IBC
For orders over 1,000 Litres contact us to discuss
your requirements

SHELF LIFE

Shelf Life 2 years unopened.

ALLERGENS

	Contains/ Potential Contamination
Cereals & cereal products + Gluten	No
Crustaceans & their products	No
Eggs & egg products	No
Fish & fish products	No
Peanuts or peanut products	No
Soybeans or their products	No
Milk or milk products	No
Nuts & nut products	No
Celery & celery products	No
Mustard & mustard products	No
Sesame seeds & sesame products	No
Sulphur dioxide & sulphites	No



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

FERMENTED RED GRAPE SKIN EXTRACT

Differentiate your product range and product flavour and functional health profile with concentrated antioxidants, polyphenols and resveratrol.

INGREDIENTS

Product Name: **FERMENTED RED GRAPE SKIN EXTRACT**

Botanical Name: *Vitis Vinifera*

CAS: 11029-12-2

INCI: Vitis Vinifera (red grape) Skin Extract

Description: 100% Red Grape Skin Extract
Liquid Extract

PRODUCT RANGE

FERMENTED RED GRAPE SKIN EXTRACT

Antioxidants, Polyphenols, Resveratrol
Extract Acidity 1-4%

CONCENTRATED NATURAL COMPOUNDS

FERMENTED RED GRAPE SKIN EXTRACTS

products contain the following highly concentrated natural compounds

Antioxidants: Capture oxygen delaying oxidation which may prevent or delay cell damage.

Polyphenols: Large group of molecules found in plants. These compounds are responsible for the taste, colour and mouthfeel and are divided into phenolic acids and flavonoids.

FERMENTED RED GRAPE SKIN EXTRACTS

contains: **Hydroxycinnamic acids:** p-coumaric, caffeic, ferulic, **Stilbenes;** resveratrol, viniferins, **Flavonols,** quercetin, kaempferol, myricetin, **Flavan-3-ols;** catechin, epicatechin, epigallocatechin, proanthocyanidins, anthocyanins.

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FERMENTED RED GRAPE SKIN EXTRACT

CONCENTRATED ANTIOXIDANTS, POLYPHENOLS & RESVERATROL

APPLICATIONS FLAVOURS INGREDIENTS PRIVATE LABEL

Origin	Australia
Shelf Life	Unopened 24 Months
MOQ	500ML



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Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT FERMENTED RED GRAPE SKIN EXTRACT

SPECIFICATIONS

GRAPEXT RSK

Red Grape Skin Fermented Extract

Colour	Golden to Brown
Soluble	Complete
Acidity	1.5-4%
Concentrated Resveratrol	

Resveratrol is a strong phenolic rich phytonutrient which has strong antioxidant and anti-inflammatory properties. Resveratrol, which is most is thought to be one of the phytonutrients responsible for the health benefits of a Mediterranean style diet.

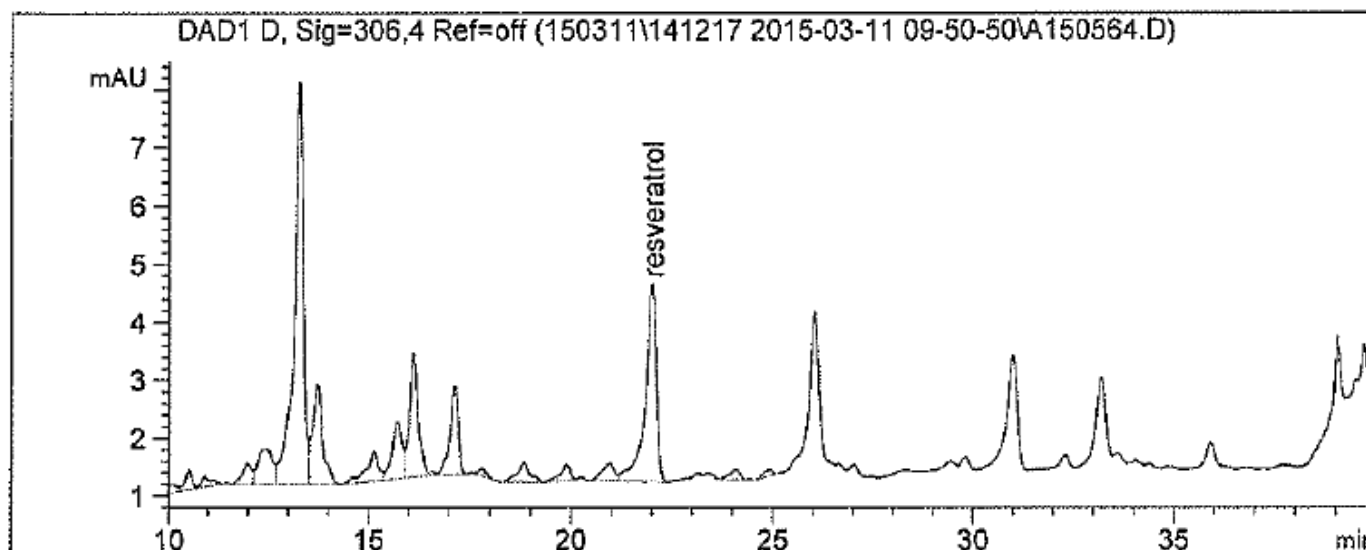


PACKAGING

500ML, 1 Litre, 5 Litre, 10 Litre, 20 Litre 50 Litre, 100 Litre, 200 Litre Drums, 1,000 Litre IBC
For orders over 1,000 Litres contact us to discuss your requirements

SHELF LIFE AND STORAGE

Shelf Life 2 years from date of manufacture
Store in cool dry environment below 25 degrees celcius.



Test: Resveratrol, Test Method ARL-TM 170
Sounthern Cross Plant Science Analytical Research
Laboratory March 2015.

**DIFFERENTIATE, INNOVATE
& CREATE WITH FERMENTED
WHITE GRAPE SKIN EXTRACT**



Botanical Innovations
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Telephone: +61 488196527
Kerry Ferguson
@botanicalinnovations.com.au
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@bigpond.com
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TASTE + FUNCTION

AUSTRALIAN FUNCTIONAL INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

FERMENTED RED GRAPE SKIN EXTRACT

Differentiate your product range and product flavour and functional health profile with concentrated antioxidants, polyphenols and resveratrol.

INGREDIENTS

Product Name: **FERMENTED RED GRAPE SKIN EXTRACT**

Botanical Name: *Vitis Vinifera*

CAS: 11029-12-2

INCI: Vitis Vinifera (red grape) Skin Extract

Description: 100% Red Grape Skin Extract
Liquid Extract

PRODUCT RANGE

FERMENTED WHITE GRAPE SKIN EXTRACT

Antioxidants, Polyphenols, Resveratrol
Extract Acidity 1-4%

CONCENTRATED NATURAL COMPOUNDS

FERMENTED WHITE GRAPE SKIN EXTRACTS

products contain the following highly concentrated natural compounds

Antioxidants: Capture oxygen delaying oxidation which may prevent or delay cell damage.

Polyphenols: Large group of molecules found in plants. These compounds are responsible for the taste, colour and mouthfeel and are divided into phenolic acids and flavonoids.

FERMENTED RED GRAPE SKIN EXTRACTS

contains: **Hydroxycinnamic acids:** p-coumaric, caffeic, ferulic, **Stilbenes;** resveratrol, viniferins, **Flavonols,** quercetin, kaempferol, myricetin, **Flavan-3-ols;** catechin, epicatechin, epigallocatechin, proanthocyanidins, anthocyanins.

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FERMENTED RED GRAPE SKIN EXTRACT

CONCENTRATED ANTIOXIDANTS, POLYPHENOLS & RESVERATROL

APPLICATIONS FLAVOURS INGREDIENTS PRIVATE LABEL

Origin	Australia
Shelf Life	Unopened 24 Months
MOQ	500ML



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TASTE + FUNCTION

AUSTRALIAN FUNCTIONAL INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

GRAPEXT RSK

RED GRAPE SKIN
FERMENTED EXTRACT

SPECIFICATIONS

GRAPEXT RSK

Red Grape Skin Fermented Extract

Colour	Light to deep red brown
Soluble	Complete
Acidity	1.5-4%
Concentrated Resveratrol	

Resveratrol is a strong phenolic rich phytonutrient with strong antioxidant and anti-inflammatory properties. Resveratrol is thought to be one of the phytonutrients responsible for the health benefits of a Mediterranean style diet.

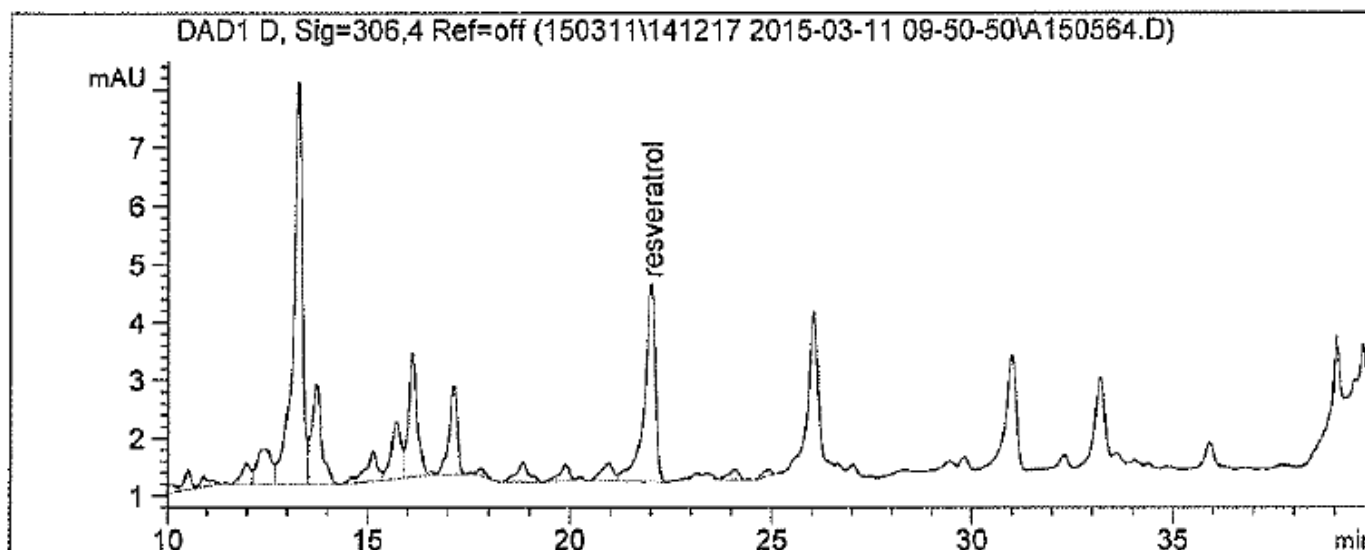


PACKAGING

500ML, 1 Litre, 5 Litre, 10 Litre, 20 Litre 50 Litre,
100 Litre, 200 Litre Drums, 1,000 Litre IBC
For orders over 1,000 Litres contact us to discuss
your requirements

SHELF LIFE

Shelf Life 2 years unopened in original
packaging.



Test: Resveratrol, Test Method ARL-TM 170
Southern Cross Plant Science Analytical Research
Laboratory March 2015.

**DIFFERENTIATE, INNOVATE
& CREATE WITH FERMENTED
WHITE GRAPE SKIN EXTRACT**



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TASTE + FUNCTION

AUSTRALIAN FUNCTIONAL INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET

PRODUCT

FERMENTED WHITE GRAPE SKIN EXTRACT

Differentiate your product range and product flavour and functional health profile with concentrated antioxidants, polyphenols and resveratrol.

INGREDIENTS

Product Name: **FERMENTED WHIT GRAPE SKIN EXTRACT**

Botanical Name: *Vitis Vinifera*

CAS: 11029-12-2

INCI: Vitis Vinifera (white grape) Skin Extract

Description: 100% White Grape Skin Extract
Liquie

PRODUCT RANGE

FERMENTED WHITE GRAPE SKIN EXTRACT

Antioxidants, Polyphenols, Resveratrol
Extract Acidity 1-4%

CONCENTRATED NATURAL COMPOUNDS

GRAPEXT products contain the following highly concentrated natural compounds

Antioxidants: Capture oxygen delaying oxidation which may prevent or delay cell damage.

Polyphenols: Large group of molecules found in plants. These compounds are responsible for the taste, colour and mouthfeel and are divided into phenolic acids and flavonoids.

GRAPEXT White Grape Skin Fermented Extract contains: **Hydroxycinnamic acids:** p-coumaric, caffeic, ferulic, **Stilbenes;** resveratrol, viniferins, **Flavonols,** quercetin, kaempferol, myricetin, **Flavan-3-ols;** catechin, epicatechin, epigallocatechin, proanthocyanidins, anthocyanins.

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FERMENTED WHITE GRAPE SKIN EXTRACT CONCENTRATED ANTIOXIDANTS, POLYPHENOLS AND RESVERATROL

Applications

Flavour
Ingredients
Private Label

Origin Australia

Shelf Life Unopened
24 Months

MOQ 500ML



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AUSTRALIAN FUNCTIONAL INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT FERMENTED WHITE GRAPE SKIN EXTRACT

SPECIFICATIONS

FERMENTED WHITE GRAPE SKIN EXTRACT

Colour	Golden to Brown
Soluble	Complete
Acidity	1.5-4%

Concentrated Resveratrol

Resveratrol is a strong phenolic rich phytonutrient which has strong antioxidant and anti-inflammatory properties. Resveratrol, which is most is thought to be one of the phytonutrients responsible for the health benefits of a Mediterranean style diet.

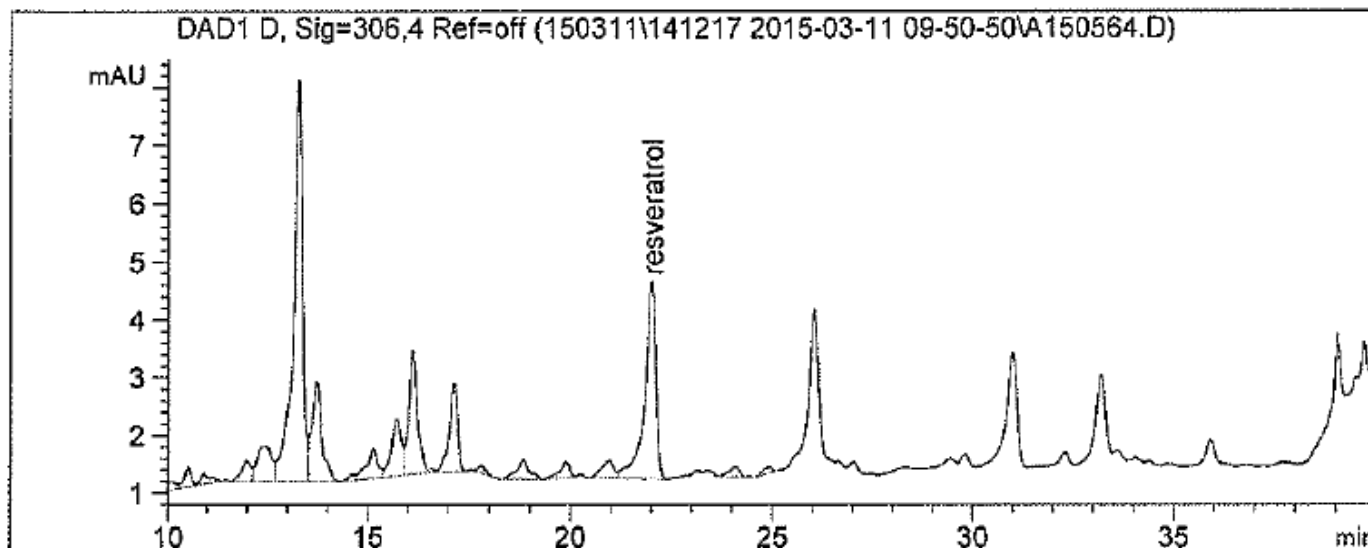


PACKAGING

500ml, 1 Litre, 5 Litre, 10 Litre, 20 Litre 50 Litre, 100 Litre, 200 Litre Drums, 1,000 Litre IBC
For orders over 1,000 Litres contact us to discuss your requirements

SHELF LIFE AND STORAGE

Shelf Life 2 years from date of manufacture
Store in cool dry environment below 25 degrees celcius..



Test: Resveratrol, Test Method ARL-TM 170
Sounthern Cross Plant Science Analytical Research
Laboratory March 2015.

**DIFFERENTIATE, INNOVATE
& CREATE WITH FERMENTED
WHITE GRAPE SKIN EXTRACT**



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

FERMENTED WHITE GRAPE SEED EXTRACT

Differentiate your product range,
flavour and functional health profile with concentrated
polyphenols, antioxidants and Vitamin C.

INGREDIENTS

Product Name: **FERMENTED WHITE
GRAPE SEED EXTRACT**

Botanical Name: *Vitis Vinifera*

CAS: 84929-27-1

INCI: Vitis Vinifera (white grape) seed extract

Description: 100% White Grape Seed Extract

PRODUCT

FERMENTED WHITE GRAPE SEED EXTRACT

Total Phenolic Content: 10,000-50,000 mg/L

Acidity 1.5-4%

CONCENTRATED NATURAL COMPOUNDS

**FERMENTED WHITE GRAPE SEED
EXTRACT** contains the following highly
concentrated natural compounds

Antioxidants: Capture oxygen delaying oxidation
which may prevent or delay cell damage.

Polyphenols: Large group of molecules found in
plants. These compounds are responsible for the
taste, colour and mouthfeel and are divided into
phenolic acids and flavonoids. Polyphenols found
in **FERMENTED WHITE GRAPE SEED
EXTRACT: Flavonoids, Anthocyanins,
Resveratrol, Vitamin C and Vitamin E.**

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**FERMENTED WHITE
GRAPE SEED EXTRACT
IS MADE WITH
100% AUSTRALIAN GRAPES
IT TAKES 100 kg GRAPES
50 g GRAPE SEED EXTRACT
TOTAL PHENOLS
10,000-50,000 mg/L**

APPLICATIONS FLAVOUR & INGREDIENT

Origin

Australia

Shelf Life

Unopened 24 Months

MOQ

500ML



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT FERMENTED WHITE GRAPE SEED EXTRACT

SPECIFICATIONS

FERMENTED WHITE GRAPE SEED EXTRACT

Colour	Light Beige to Deep Amber
Total Polyphenol	30,000-80,000 m/L
Brix	15-30% Per 100 g
Energy	110 kg Per 100 ml
Protein	< 1.0 g Per 100 ml
Saturated Fat	< 0.1 g Per 100 ml
Carbohydrate Total	< 7 g Per 100 ml
Sodium	3.2 mg
Soluble	Complete
Soluble	Complete
Acidity	1.5-4%

**CREATE NEW FLAVOUR
PROFILES WITH FUNCTIONAL
HEALTH BENEFITS TO
FOODS AND BEVERAGES
WITH FERMENTED WHITE
GRAPE SEED EXTRACT**

**FERMENTED WHITE GRAPE
SEED EXTRACT IS MADE WITH
100% AUSTRALIAN GRAPES
IT TAKES 100 kg GRAPES
50 g GRAPE SEED EXTRACT**

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PACKAGING

500ML, 1 Litre, 5 Litre, 10 Litre, 20 Litre 50 Litre,
100 Litre, 200 Litre Drums, 1,000 Litre IBC
For orders over 1,000 Litres contact us to discuss
your requirements

SHELF LIFE AND STORAGE

Shelf Life 2 years unopened in original
packaging.

ALLERGENS

	Contains/ Potential Contamination
Cereals & cereal products + Gluten	No
Crustaceans & their products	No
Eggs & egg products	No
Fish & fish products	No
Peanuts or peanut products	No
Soybeans or their products	No
Milk or milk products	No
Nuts & nut products	No
Celery & celery products	No
Mustard & mustard products	No
Sesame seeds & sesame products	No
Sulphur dioxide & sulphites	No



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

FERMENTED FRUITS AND VINEGARS

CREATE NEW PRODUCTS - ENHANCE EXISTING PRODUCTS
CONCENTRATED PHENOLIC PHYTONUTRIENTS
ANTIOXIDANTS PRE BIOTICS.

APPLE CIDER VINEGAR

Vinegar is one of the oldest fermented foods in the world with a recorded history of continuous use dating back 5,000 years.

Botanical Innovations slow fermentation process ensures its Apple Cider Vinegar is true to nature concentrating all the health and healing properties, phenolics and prebiotic phytonutrients that have ensured vinegar has survived through the centuries.

Botanical Innovations Apple Cider Vinegar has a variety of applications, Natural Healthcare, Cosmeceutical & Functional Foods & Beverages.

APPLE CIDER VINEGAR RAW

Traditionally fermented apple cider vinegar with 'Mother'
Unfiltered & Unpasteurised

APPLE CIDER VINEGAR OAK AGED RAW

Traditionally fermented apple cider vinegar aged with oak with 'Mother'.
Unfiltered & Unpasteurised

APPLE CIDER VINEGAR

Traditionally fermented apple cider vinegar.
Filtered & Pasteurised



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT FERMENTED APPLE PEEL EXTRACT

Differentiate your product range and functional health profile with concentrated antioxidants, polyphenols.

INGREDIENTS

Product Name: **FERMENTED APPLE PEEL EXTRACT**

Botanical Name : *Malus Domestic, Malus Pumila*

INCI: Pyrus Malus Extract

CAS: 89957-84-3

Description: 100% Apple Peel Extract

PRODUCT

FERMENTED APPLE PEEL EXTRACT

Acidity 1.5-4%

Total Phenolic Content: 10,000-50,000 mg/L

CONCENTRATED NATURAL COMPOUNDS

FERMENTED APPLE PEEL EXTRACT products contain the following highly concentrated natural compounds **Antioxidants:** Capture oxygen delaying oxidation which may prevent or delay cell damage. **Polyphenols:** Large group of molecules found in plants. These compounds are responsible for taste, colour and mouthfeel and are divided into phenolic acids and flavonoids.

FERMENTED APPLE PEEL EXTRACT contains concentrated quercetin, triterpenoids, ursolic acid, Vitamin A, Vitamin C and minerals

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FERMENTED APPLE PEEL EXTRACT CONCENTRATED ANTIOXIDANTS, POLYPHENOLS.

**TOTAL PHENOLIC CONTENT
10,000-50,000 mg/L**

FERMENTED APPLE PEEL EXTRACT

**APPLICATIONS
FLAVOUR & INGREDIENT**

Origin	Australia
Shelf Life	Unopened 24 Months
MOQ	500ML



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET

PRODUCT FERMENTED APPLE PEEL EXTRACT



SPECIFICATIONS

FERMENTED APPLE PEEL EXTRACT

Colour	Light white to clear
Aroma	Light Apple
Soluble	Complete
Acidity	1.5-4%
Concentrated	Vitamin C
Concentrated	Polyphenol

ADD NEW FUNCTIONALITY TO YOUR PRODUCTS WITH FERMENTED APPLE PEEL EXTRACT

MILD APPLE AROMA SWEET APPLE VINEGAR FLAVOUR

**50ML OF FERMENTED APPLE
PEEL EXTRACT CONTAINS
THE EQUIVILANT NUTRITIONAL
BENEFITS OF EATING 100KG
OF APPLES**

PACKAGING

500ML, 1 Litre, 5 Litre, 10 Litre, 20 Litre 50 Litre,
100 Litre, 200 Litre Drums, 1,000 Litre IBC
For orders over 1,000 Litres contact us to discuss
your requirements

SHELF LIFE

2 years unopened in original packaging.

ALLERGENS

	Contains/ Potential Contamination
Cereals & cereal products + Gluten	No
Crustaceans & their products	No
Eggs & egg products	No
Fish & fish products	No
Peanuts or peanut products	No
Soybeans or their products	No
Milk or milk products	No
Nuts & nut products	No
Celery & celery products	No
Mustard & mustard products	No
Sesame seeds & sesame products	No
Sulphur dioxide & sulphites	No

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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

COLD PRESSED SEED OIL

After 2 years of research and development Botanical Innovations is bringing to the market a new and unique range of cold pressed seed oil. The process of cold pressing ensure the oils are true to nature and retain all the original nutritional, vitamin and phenolic rich pytonutrients.

AUSTRALIAN GRAPE SEED OIL

Botanical Innovations virgin grape seed oil is made from Australian cold climate grapes grown 600m above sea level. The temperature variations from -10 to 40 degrees celcius during the growing season provides the grapes with unique phenolic qualities which are present in the oil.

GRAPE SEED OIL

Rich pure oil light to dark green finishing oil

GRAPE MACADAMIA SEED OIL

Light green to gold oil finishing and carrier oil

GRAPE SEED OIL FRENCH OAK INFUSED

Green oil with deep rich aroma of oak

AUSTRALIAN SWEET CHERRY SEED OIL

This is a unique light bright yellow to golden oil made from Austrlaian cherries which are renowned world wide due to the unique growing conditions and pristine environment for the production of high quality phenols and antioxidants which are abundant in this unique oil.

SWEET CHERRY SEED OIL

Pure light golden finishing oil

SWEET CHERRY MACADAMIA SEED OIL

Gold finishing and carrier oil

AUSTRALIAN APPLE SEED OIL

This is a light bright oil made from Australian Apples. It is one of the finest oils on the market today with a variety of applications

APPLE SEED OIL

Pure light yellow finishing oil

APPLE MACADAMIA SEED OIL

Golden finishing and carrier oil





AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

COLD PRESSED OILS

GRAPE SEED OIL

SWEET CHERRY SEED OIL

Phenolic Profile

Oils	Grape Seed Oil	Cherry Seed Oil
Fatty Acid Profile		
Myristic C14:0 Omega 9	<0.1%	<0.1%
Palmitic C16:0 Omega 9	7%	8.10%
Palmitoleic C16:1 Omega 7	0.30%	0.70%
Heptadecanoic C17:0 Omega 9	0.10%	0.10%
Heptadecenoic C17:1 Omega 9	<0.1%	0.10%
Stearic C18:1 Omega 9	3.80%	3.30%
Oleic C18:0 Omega 9	19%	41.50%
Linoleic C18:2 Omega 6	68.60%	42.80%
Alpha Linolenic C18:3 Omega 3	0.50%	1%
Arachidic C20:0 Omega 6	0.20%	1.20%
Elcosenoic C20:1 Omega 9	0.20%	0.50%
Behenic C20:1 Omega 9	<0.1%	0.40%
Erucic C22:1 Omega 9	<0.1%	0.10%
Lignoceric C24:0 Omega 12	<0.1%	0.20%
Tetracosenoic C24:1 Omega 9	<0.1%	<0.1%
Polyunsaturated	69.10%	43.10%
Monounsaturated	19.50%	42.90%
Saturated	11.20%	13.40%
Secondary Phenolic Profile		
Hydroxycinnamic Acids	.	.
Hydroxybenzoic acids	.	.
Stilbenes	.	.
Flavonols	.	.
Flavan-3-ols	.	.

Phenolic compounds are the chemicals produced by plants from photosynthesis.

A plant will produce phenolic compounds to adapt to changing environmental conditions flood, drought, heat, cold, nutritional stress and disease.

Botanical Innovations has created a unique set of phenolic rich ingredients which contain concentrated phenolics with unique properties developed by plants over millions of years

A plants phenolic compound is divided into primary and secondary.

Primary Phenolic Compounds (metabolites): Sugars, Fatty Acids, Amino Acids and Nucleic Acids.

Secondary Phenolic Compounds (metabolites) are more comple and believed to be responsible for the plants respiratory system and its ability to survive in the environment.

Secondary Phenolic Compounds include: Antioxidants, Hyroxy:cinnamic Acids, Hydroxybenzoic Acids, Stilbenes, Flavonols and Flavan-3-ols.

Botanical Innovations Cold Pressed Grape Seed Oil and Cold Pressed Sweet Cherry Seed Oil range of products contain both primary and secondary phenolic compounds which, provide added health and functional benefits to our products.

There are **2 essential fatty acids** for humans which can only be obtained from food Alpha-Linoleic (Omega 3) and Linoleic Acid (Omega 6)

Alpha-Linoleic Omega 3
Grape Seed Oil 0.5%
Sweet Cherry Seed Oil 1%

Linoleic Omega 6
Grape Seed Oil 68.6%
Sweet Cherry Seed Oil 42.8%



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Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

COLD PRESSED OILS

GRAPE SEED OIL SWEET CHERRY SEED OIL Applications



COLD PRESSED OILS	Grape Seed Oil	Cherry Seed Oil
Functional Food Applications		
Private Label		
Flavouring	.	.
Condiments	.	.
Marinades	.	.
Sauces	.	.
Spice Mixes		
Vinegar		
Oil	.	.
Savoury Sauces	.	.
Sweet Sauces	.	.
Prepared Meals	.	.
Soups	.	.
Deserts	.	.
Diary Products		
Ice Cream		
Yogurt		
Cheese		
Confectionary		.
Flour		
Bakery Mixes	.	.
Bakery Goods	.	.
Bread	.	.
Biscuits	.	.
Pastry	.	.
Snack Foods	.	.

Botanical Innovations bespoke range of finishing oils will change the way oils are used.

These oils offer an abundance of health benefits whilst creating new and unique flavour profiles.

Create-Differentiate and Taste these new oils.

Grape Seed Oil
Macadamia Grape Seed Oil
French Oak Grape Seed Oil
Sweet Cherry Seed Oil
Sweet Cherry Macadamia Seed Oil

Made in Australia with 100% Australian Ingredients

Botanical Innovations

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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET

PRODUCT

AUSTRALIAN GRAPE SEED OIL COLD PRESSED

Differentiate your product range flavour and functional health profile with concentrated antioxidants, polyphenols.

INGREDIENTS

AUSTRALIAN GRAPE SEED OIL

Botanical Name: *Vitis Vinifera*

CAS: 8024-22-4

INCI: Vitis Vinifera (Grape) Seed Oil

Description: Virgin (First Press) Cold Pressed Grape Seed Oil. Lightly filtered.



CONCENTRATED PHYTONUTRIENTS

AUSTRALIAN GRAPE SEED OIL contains the following highly concentrated phytonutrient

Antioxidants: Capture oxygen delaying oxidation which may prevent or delay cell damage

Polyphenols: Large group of molecules found in plants. These compounds are responsible for the taste, colour and mouthfeel and are divided into phenolic acids and flavonoids.

Polyphenols present in AUSTRALIAN GRAPE SEED OIL

Vitamin C, Vitamin E, Linoleic Acid, Omega 6 poly unsaturated fatty acid, Oleic Acid, Omega 9 mono unsaturated fatty acid.

AUSTRALIAN GRAPE SEED OIL

**CHLOSTEROL FREE,
HIGH IN VITAMIN C,
VITAMIN E, OMEGA 6 AND
OMEGA 9**

APPLICATIONS FLAVOUR & INGREDIENT

Origin	Australia
Shelf Life	Unopened 18 Months
MOQ	500ML

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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

**Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders**

DATA SHEET PRODUCT AUSTRALIAN GRAPE SEED OIL COLD PRESSED

SPECIFICATIONS

AUSTRALIAN GRAPE SEED OIL

Colour	Light to Dark Green
Linoleic Acid (Omega 6)	68.5%
Oleic Acid (Omega 9)	19%
Nutritional Information Per 100g	
Energy	3371kj (857Cal)
Total Fat	100 g
Saturated Fat	10.7 g
Trans Fat	0 g
Poly Unsaturated Fat	71.4 g
Monounsaturated Fat	17.9 g
Cholesterol	0 mg

**AUSTRALIAN GRAPE
SEED OIL IS
CHLOSTEROL FREE,
HIGH IN VITAMIN C,
VITAMIN E, OMEGA 6
AND OMEGA 9**

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PACKAGING

500ML, 1 Litre, 5 Litre, 10 litre, 20 litre, 50 litre, 100 litre, 200 litre drums, 1,000 litre IBC. For orders over 1 tonne contact us to discuss your requirements.

SHELF LIFE

Shelf Life 18 Months from date of manufacture
Store in cool dry environment below 25 degrees celcius. Use within 28 days of opening

ALLERGENS

	Contains/ Potential Contamination
Cereals & cereal products + Gluten	No
Crustaceans & their products	No
Eggs & egg products	No
Fish & fish products	No
Peanuts or peanut products	No
Soybeans or their products	No
Milk or milk products	No
Nuts & nut products	No
Celery & celery products	No
Mustard & mustard products	No
Sesame seeds & sesame products	No
Sulphur dioxide & sulphites	No



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

AUSTRALIAN MACADAMIA GRAPE SEED OIL COLD PRESSED

SPECIFICATIONS

AUSTRALIAN MACADAMIA GRAPE SEED OIL

Colour	Light Green
Linoleic Acid (Omega 6)	34%
Oleic Acid (Omega 9)	40%
Nutritional Information Per 100g	
Energy	330kg (850 Cal)
Total Fat	100 g
Saturated Fat	13 g
Trans Fat	<0 g
Poly Unsaturated Fat	<65 g
Monounsaturated Fat	35 g

CREATE FORMULATE IMAGINE WITH NEW NATURAL AUSTRALIAN COLD PRESSED MACADAMIA GRAPE SEED OIL

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PACKAGING

500ML, 1 Litre, 5 Litre, 10 litre, 20 litre, 50 litre, 100 litre, 200 litre drums, 1,000 litre IBC. For orders over 1 tonne contact us to discuss your requirements.

SHELF LIFE

Shelf Life 18 months unopened

ALLERGENS

	Contains/ Potential Contamination
Cereals & cereal products + Gluten	No
Crustaceans & their products	No
Eggs & egg products	No
Fish & fish products	No
Peanuts or peanut products	No
Soybeans or their products	No
Milk or milk products	No
Celery & celery products	No
Mustard & mustard products	No
Sesame seeds & sesame products	No
Sulphur dioxide & sulphites	No

Macadamia Oil is made from Macadamia nuts this is a potential allergen.



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

AUSTRALIAN MACADAMIA GRAPE SEED OIL COLD PRESSED

Differentiate your product range and product and functional health profile with concentrated antioxidants, polyphenols.

INGREDIENTS AND PRODUCT RANGE

AUSTRALIAN MACADAMIA GRAPE SEED OIL

Botanical Name: *Vitis Vinifera*

CAS: 8024-22-4

INCI: Vitis Vinifera (Grape) Seed Oil

Description: Virgin (First Press) Cold Pressed Grape Seed Oil. Lightly filtered.

Botanical Name: *Macadamia Ineग्रifolia*

CAS: 438545-25-6

INCI: Madadamia Ineग्रifolia (Macadamia) Nut Oil

Description: Macadamia Oil

CONCENTRATED PHYTONUTRIENTS

AUSTRALIAN MACADAMIA GRAPE SEED OIL

contains the following highly concentrated natural compounds **Antioxidants:** Capture oxygen delaying oxidation which may prevent or delay cell damage **Polyphenols:** Large group of molecules found in plants. These compounds are responsible for the taste, colour and mouthfeel and are divided into phenolic acids and flavonoids.

Polyphenols present in AUSTRALIAN MACADAMIA GRAPE SEED OIL Vitamin C, Vitamin E, Linoleic Acid, Omega 6 poly unsaturated fatty acid, Oleic Acid, Omega 9

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AUSTRALIAN MACADAMIA GRAPE SEED OIL HIGH IN VITAMIN C, VITAMIN E, OMEGA 6 AND OMEGA 9

APPLICATIONS FLAVOUR & INGREDIENT

Origin	Australia
Shelf Life	Unopened 18 Months
MOQ	500ML



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

**Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders**

DATA SHEET

PRODUCT

AUSTRALIAN FRENCH OAK GRAPE SEED OIL

Differentiate your product range, formulations and functional health profile with concentrated antioxidants, polyphenols.

INGREDIENTS AND PRODUCT RANGE

FRENCH OAK GRAPE SEED OIL

Botanical Name: *Vitis Vinifera*

CAS: 8024-22-4

INCI: Vitis Vinifera (Grape) Seed Oil

Description: Virgin (First Press) Cold Pressed Grape Seed Oil. Lightly filtered..Infused with Australian French Oak Extract.

EXPERIENCE THE DEPTH AND AROMA OF AUSTRALIAN FRENCH OAK GRAPE SEED OIL

CONCENTRATED PHYTONUTRIENTS

Botanical Innovations products contain the following highly concentrated natural compounds

Antioxidants: Capture oxygen delaying oxidation which may prevent or delay cell damage

Polyphenols: Large group of molecules found in plants. These compounds are responsible for the taste, colour and mouthfeel and are divided into phenolic acids and flavonoids.

Polyphenols present in Grape Seed Oil Vitamin C, Vitamin E, Linoleic Acid, Omega 6 poly unsaturated fatty acid, Oleic Acid, Omega 9 mono unsaturated fatty acid.

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Grape seed oil is cholesterol free, high in Vitamin C, Vitamin E, Omega 6 and Omega 9.

APPLICATIONS FLAVOUR, FRAGRANCE & INGREDIENT

Origin	Australia
Shelf Life	Unopened 18 Months
MOQ	500ML



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

**Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders**

DATA SHEET

PRODUCT

AUSTRALIAN FRENCH OAK GRAPE SEED OIL COLD PRESSED

SPECIFICATIONS

AUSTRALIAN FRENCH OAK GRAPE SEED OIL

Colour	Light to Dark Green
Linoleic Acid (Omega 6)	68.5%
Oleic Acid (Omega 9)	19%
Nutritional Information Per 100g	
Energy	3371kj (857Cal)
Total Fat	100 g
Saturated Fat	10.7 g
Trans Fat	0 g
Poly Unsaturated Fat	71.4 g
Monounsaturated Fat	17.9 g
Cholesterol	0 mg

EXPERIENCE THE DEPTH AND AROMA OF FRENCH OAK INFUSED GRAPE SEED OIL

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PACKAGING

500ML, 1 Litre, 5 Litre, 10 litre, 20 litre, 50 litre, 100 litre, 200 litre drums, 1,000 litre IBC. For orders over 1 tonne contact us to discuss your requirements.

SHELF LIFE

Shelf Life 18 months unopened

ALLERGENS

	Contains/ Potential Contamination
Cereals & cereal products + Gluten	No
Crustaceans & their products	No
Eggs & egg products	No
Fish & fish products	No
Peanuts or peanut products	No
Soybeans or their products	No
Milk or milk products	No
Nuts & nut products	No
Celery & celery products	No
Mustard & mustard products	No
Sesame seeds & sesame products	No
Sulphur dioxide & sulphites	No



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET

PRODUCT

AUSTRALIAN SWEET CHERRY SEED OIL COLD PRESSED

Differentiate your product range and functional health profile with concentrated antioxidants, and phenols.

INGREDIENTS

SWEET CHERRY SEED OIL

Botanical Name: *Pyrus Avium*

CAS: 82022-29-5

INCI: *Pyrus Avium* (Seed) Oil

Description: Virgin (First Press) Cold Pressed Sweet Cherry Seed Oil. Lightly filtered.

CONCENTRATED PHYTONUTRIENTS

AUSTRALIAN SWEET CHERRY SEED OIL

contains the following highly concentrated natural compounds **Antioxidants:** Capture oxygen delaying oxidation which may prevent or delay cell damage **Polyphenols:** Large group of molecules found in plants. These compounds are responsible for the taste, colour and mouthfeel and are divided into phenolic acids and flavonoids.

Phenols present in AUSTRALIAN SWEET CHERRY SEED OIL Vitamin C, Vitamin E, Linoleic Acid, Omega 6 poly unsaturated fatty acid, Oleic Acid, Omega 9 mono unsaturated fatty acid.

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**SWEET CHERRY SEED
OIL RICH SOURCE OF
VITAMIN C, VITAMIN E,
OMEGA 6 and OMEGA 9.**

APPLICATIONS FLAVOUR & INGREDIENT

Origin	Australia
Shelf Life	Unopened 18 months
MOQ	500ML



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AUSTRALIAN FUNCTIONAL INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

SWEET CHERRY SEED OIL COLD PRESSED

SPECIFICATIONS

SWEET CHERRY SEED OIL

Colour	Bright Gold
Linoleic Acid (Omega 6)	42.8%
Oleic Acid (Omega 9)	41.5%
Nutritional Information Per 100g	
Energy	3680kj (879Cal)
Total Fat	100 g
Saturated Fat	13.4 g
Trans Fat	0 g
Poly Unsaturated Fat	43.1 g
Monounsaturated Fat	42.9 g
Vitamin E	

SWEET CHERRY ALMOND SEED OIL

Colour	Bright Gold
Linoleic Acid (Omega 6)	60%
Oleic Acid (Omega 9)	30%
Nutritional Information Per 100g	
Energy	330kg (850 Cal)
Total Fat	100 g
Saturated Fat	13 g
Trans Fat	<0 g
Poly Unsaturated Fat	<65 g
Monounsaturated Fat	35 g
Vitamin E	

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PACKAGING

5 litre, 10 litre, 20 litre, 50 litre, 100 litre, 200 litre drums, 1,000 litre IBC. For orders over 1 tonne contact us to discuss your requirements.

SHELF LIFE AND STORAGE

Shelf Life 18 Months from date of manufacture
Store in cool dry environment below 25 degrees celcius. Use within 28 days of opening

ALLERGENS

	Contains/ Potential Contamination
Cereals & cereal products + Gluten	No
Crustaceans & their products	No
Eggs & egg products	No
Fish & fish products	No
Peanuts or peanut products	No
Soybeans or their products	No
Milk or milk products	No
Nuts & nut products	No
Celery & celery products	No
Mustard & mustard products	No
Sesame seeds & sesame products	No
Sulphur dioxide & sulphites	No



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET

PRODUCT

AUSTRALIAN SWEET CHERRY MACADAMIA SEED OIL

Cold Pressed

Differentiate your product range, formulations and functional health profile with concentrated antioxidants, polyphenols.

INGREDIENTS AND PRODUCT RANGE

Australian Sweet Cherry Macadamia Oil

Botanical Name: *Pyrus Avium*

CAS: 82022-29-5

INCI: *Pyrus Avium* (Seed) Oil

Description: Virgin (First Press) Cold Pressed Sweet Cherry Blossom Seed Oil. Lightly filtered.

Botanical Name: *Macadamia Ineग्रifolia*

CAS: 438545-25-6

INCI: *Madadamia Ineग्रifolia* (Macadamia) Nut Oil

Description: Macadamia Oil

CREATE NEW FORMULATIONS AND PRODUCTS WITH AUSTRALIAN SWEET CHERRY MACADAMIA SEED OIL.

CONCENTRATED NATURAL COMPOUNDS

AUSTRALIAN SWEET CHERRY MACADAMIA SEED OIL contain the following highly concentrated natural compounds. **Antioxidants:** Capture oxygen delaying oxidation which may prevent or delay cell damage. **Polyphenols:** Large group of molecules found in plants. These compounds are responsible for the taste, colour and mouthfeel and are divided into phenolic acids and flavonoids. **Polyphenols present in AUSTRALIAN SWEET CHERRY MACADAMIA SEED OIL** Vitamin C, Vitamin E, Linoleic Acid, Omega 6 poly unsaturated fatty acid, Oleic Acid and Omega 9.

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AUSTRALIAN SWEET CHERRY MACADAMIA SEED OIL RICH SOURCE OF VITAMIN C, VITAMIN E, OMEGA 6, OMEGA 9

APPLICATIONS FLAVOUR & INGREDIENT

Origin	Australia
Shelf Life	Unopened 18 Months
MOQ	500ML



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

**Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders**

DATA SHEET

PRODUCT

AUSTRALIAN SWEET CHERRY MACADAMIA SEED OIL COLD PRESSED

SPECIFICATIONS

Australian Sweet Cherry Macadamia Seed Oil

Colour	Bright Gold
Linoleic Acid (Omega 6)	30%
Oleic Acid (Omega 9)	40%
Nutritional Information Per 100g	
Energy	330kg (850 Cal)
Total Fat	100 g
Saturated Fat	13 g
Trans Fat	<0 g
Poly Unsaturated Fat	<65 g
Monounsaturated Fat	35 g
Vitamin E	

**CREATE NEW FORMULATIONS
AND PRODUCTS WITH
AUSTRALIAN SWEET CHERRY
MACADAMIA OIL.**

**RICH SOURCE OF
VITAMIN C, VITAMIN E,
OMEGA 6 and OMEGA 9**

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PACKAGING

500ML 1 Litre, 5 Litre, 10 litre, 20 litre, 50 litre, 100 litre, 200 litre drums, 1,000 litre IBC. For orders over 1 tonne contact us to discuss your requirements.

SHELF LIFE

Shelf Life 18 months unopened

ALLERGENS

	Contains/ Potential Contamination
Cereals & cereal products + Gluten	No
Crustaceans & their products	No
Eggs & egg products	No
Fish & fish products	No
Peanuts or peanut products	No
Soybeans or their products	No
Milk or milk products	No
Celery & celery products	No
Mustard & mustard products	No
Sesame seeds & sesame products	No
Sulphur dioxide & sulphites	No

Macadamia Oil is made from Macadamia nuts this is a potential allergen.



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

FRUIT POWDERS

**NEW CLASS OF POWDERS COMBINING
PHENOL PHYTONUTRIENT-NATURAL FAT
FIBRE-SUGAR AND PROTEIN**

**BOTANICAL INNOVATIONS APPLE PEEL
AND GRAPE SEED POWDERS ARE EASY
TO STORE AND OPERATE.**

**THE PRODCUTS IS STABLE WITH AN
EXTENDED SHELF LIFE. APPLE PEEL AND
GRAPE SEED POWDERS IMPACT UPON THE
STRUCTURE, VISCOSITY AND CONSISTENCY
OF FINISHED PRODUCTS.**

APPLE PEEL POWDER

Apples are one of the most nutrient rich fruits on earth. Apple peels contain more nutrients than the rest of the apple. Botanical Innovations has create a unique range of products from Apple Skin which has a variety of applications.

RED GRAPE SEED POWDER

Red Grape Seeds are a rich source of phenols, antioxidants, anthocyanins. This fine powder can be blended into a variety of applications providing structure, colour and functionality.

WHITE GRAPE SEED POWDER

White Grape Seeds are a rich source of phenols, antioxidants, anthocyanins. This fine powder can be blended into a variety of applications providing structure, colour and functionality.



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

**Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders**

PHENOL PROFILE

WHITE GRAPE SEED POWDER

RED GRAPE SEED POWDER

APPLE PEEL POWDER

FRUIT POWDERS	GRAPE SEED POWDER	APPLE PEEL POWDER
Hydroxycinnamic Acids	.	.
p-coumaric	.	.
caffeic	.	.
ferulic	.	.
Hydroxybenzoic acids	.	.
Gallic	.	.
Gentistic	.	.
Salicylic	.	.
Stilbenes	.	.
Resveratrol	.	.
Viniferins	.	.
Flavonols	.	.
Quercetin	.	.
Kaempferol	.	.
Myricetin	.	.
Flavan-3-ols	.	.
Catechin	.	.
Eipcatechin	.	.
Epicatechin-3-O-Galleate	.	.
Pronthocyanidins	.	.
Anthocyanins	.	.

Phenolic compounds are the chemicals produced by plants from photosynthesis.

A plant will produce phenolic compounds to adapt to changing environmental conditions flood, drought, heat, cold, nutritional stress and disease.

Botanical Innovations has created a unique set of phenolic rich ingredients which contain concentrated phenolics with unique properties developed by plants over millions of years

A plants phenolic profile is divided into primary and secondary.

Primary Phenolic Compounds (metabolites)
Sugars
Fatty Acids
Amino Acids
Nucleic Acids

Secondary Phenoloic Compounds (metabolites) are more complex and believed to be responsible for the plants respiratory systems and its ability to survive in the environment.

Secondary Phenolic Compounds include
Antioxidants
Hyroxcinnamic Acids
Hydroxybenzoic Acids
Stilbenes
Flavonoids
Flavonols
Flavan-3-ols

Botanical Innovations **WHITE GRAPE SEED POWDER, RED GRAPE SEED POWDER & APPLE PEEL POWDER** range of products contain both primary and secondary phenolic compounds.

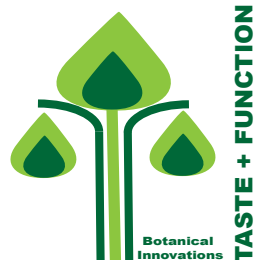
Botanical Innovations **WHITE GRAPE SEED POWDER, RED GRAPE SEED POWDER & APPLE PEEL POWDER** contain Phenolic Compounds with the following potential Pharmacological Actions

Antioxidants
Anti-coagulants
Anti-Inflammatory Agents
Anti-hypertensive Agents
Anti-fungal Agents
Anti-carcinogenic Agents
Enzyme Inhibitors
Anti-mutagenic Agents

Anti-Infective Agents
Free Radical Scavengers
Cholagogues and Cholaretics
Anti-Infective Agents
Keratolytic Agents
Anti-neoplastic Agents, Phytogetic
Platelet Aggregation Inhibitors
Protease Inhibitors



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

RED&WHITE GRAPE SEED POWDER APPLE PEEL FLAKES & POWDER

Bakery Applications	Red Grape Seed Powder	White Grape Seed Powder	Apple Peel Powder	Apple Peel Flakes
Flour
Bakery Mixes
Bakery Goods
Bread
Biscuits
Pastry
Snack Foods

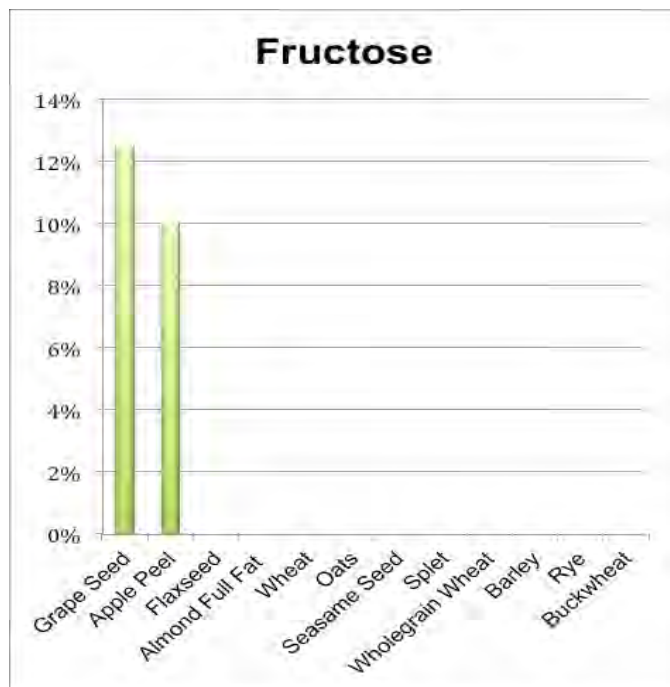
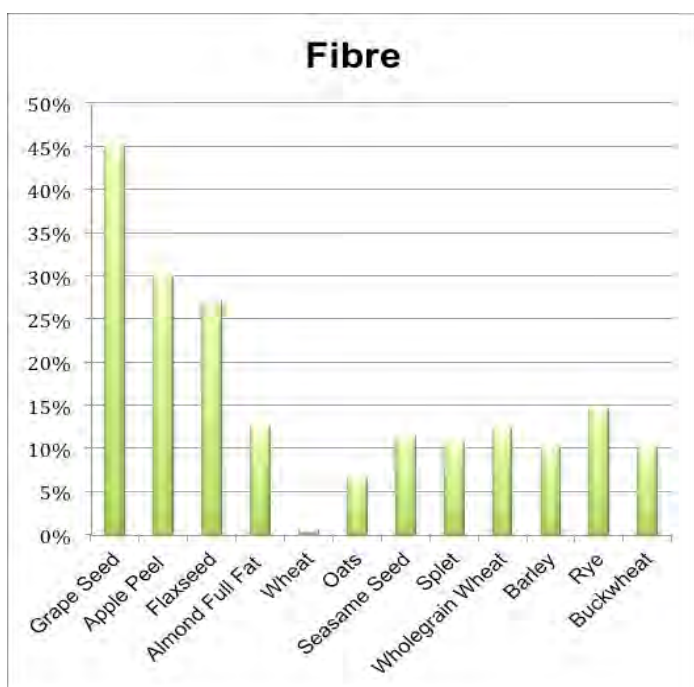
**DIFFERENTIATE
BAKED GOODS
WITH A NEW
FUNCTIONAL,
FIBRE &
SUGAR PROFILE**

Grape Seed Powder

Fibre 45%
Fructose 13%

Apple Skin Flakes & Powder

Fibre 30%
Fructose 10%



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

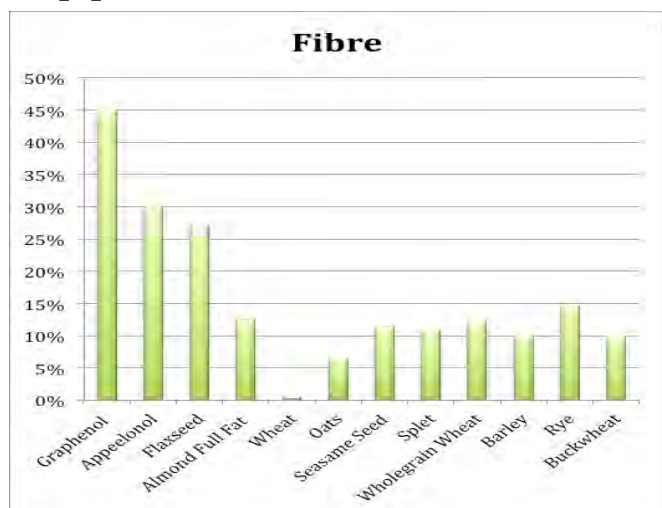
FRUIT POWDERS NATURAL HEALTHCARE APPLICATIONS

	White Grape Seed Powder	Red Grape Seed Powder	Apple Peel Powder
Health Supplement	▪	▪	▪
Osteo Support Formulas	▪	▪	▪
Whole Food Supplements	▪	▪	▪
Antioxidant Formulas	▪	▪	▪
Fibre Formulas	▪	▪	▪
Dairy Free Formulas	▪	▪	▪
Vitamin and Mineral Supplements	▪	▪	▪
Probiotic Supplements	▪	▪	▪
Specialty Supplements	▪	▪	▪
Botanical Supplements	▪	▪	▪
Sports Nutrition	▪	▪	▪
Weight Management Formulas	▪	▪	▪

**New natural
sources of
Fibre and
Fructose
Fruit Sugar**

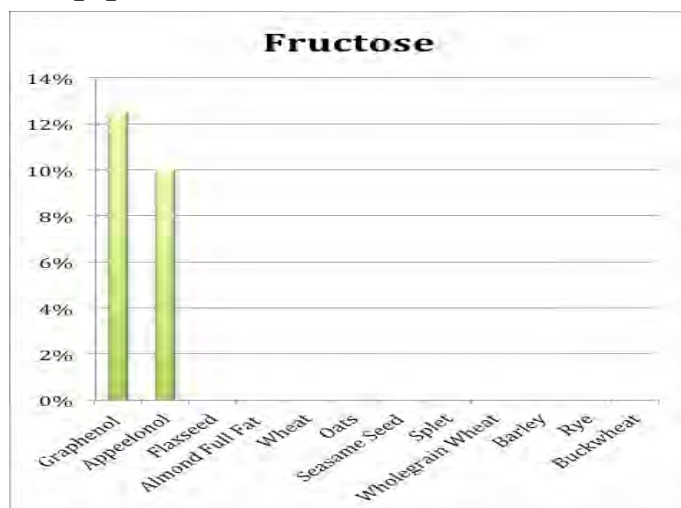
NATURAL FIBRE

Grape Seed Powder 45%
Apple Peel Powder 30%



FRUCTOSE

Grape Seed Powder 13%
Apple Peel Powder 10%





Botanical
Innovations

PURE NATURE

AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

WHITE GRAPE SEED POWDER

New Class of Powders combining
Phenolics-Natural Oils-Fibre and Protein.

WHITE GRAPE SEED POWDER is a
primary source of phenols and natural; fats.
protein, sugars and fibre in finished
products.

INGREDIENTS

Botanical Name: *Vitis Vinifera*

CAS: 84929-27-1

100% Australian Grape Seeds

WHITE GRAPE SEED POWDER

Free from preservatives, fillers and additives.

CONCENTRATED PHYTONUTRIENTS

WHITE GRAPE SEED POWDER contains the
following highly concentrated natural compounds
Antioxidants: Capture oxygen delaying oxidation
which may prevent or delay cell damage
Phenols: Large group of molecules found in plants.
These compounds are responsible for the taste,
colour and mouthfeel and are divided into phenolic
acids and flavonoids.

**Phenols present in WHITE GRAPE SEED
POWDER** Phenolic acids and Flavonoids,
Vitamin C, Vitamin E, Anthocyanins,
Linoleic Acid; Omega 6 poly unsaturated fatty acid,
Oleic Acid; Omega 9 mono unsaturated fatty acid

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WHITE GRAPE SEED POWDER

**DIFFERENTIATE YOUR
PRODUCT WITH A NEW
NATURAL PLANT PHENOL,
SUGAR, FAT & FIBRE
PROFILE.**

WHITE GRAPE SEED POWDER
impacts upon the structure, viscosity
and consistency of the finished
product. It is easy to store and
operate. The product is stable
with extended shelf life.

APPLICATIONS FLAVOUR & INGREDIENTS

Origin	Australia
Shelf Life	Unopened 24 Months

MOQ



1kg

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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

**Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders**

DATA SHEET PRODUCT

WHITE GRAPE SEED POWDER

SPECIFICATIONS

WHITE GRAPE SEED POWDER

Colour	Light Brown-Orange
Total Fat	8-30%
Cholesterol Free Fat	100%
Total Phenols	3.-8%
Protein	8-15%
Fibre	40-50%
Brix	5-20%

**DIFFERENTIATE YOUR
PRODUCT WITH A NEW
NATURAL PLANT PHENOL,
SUGAR, FAT & FIBRE
PROFILE.**



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PACKAGING

1kg, 5kg, 10kg Tubs
20kg Bags

SHELF LIFE

Shelf life 2 years unopened in original packaging.

ALLERGENS

	Contains/ Potential Contamination
Cereals & cereal products + Gluten	No
Crustaceans & their products	No
Eggs & egg products	No
Fish & fish products	No
Peanuts or peanut products	No
Soybeans or their products	No
Milk or milk products	No
Nuts & nut products	No
Celery & celery products	No
Mustard & mustard products	No
Sesame seeds & sesame products	No
Sulphur dioxide & sulphites	No



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT

RED GRAPE SEED POWDER

New Class of Powders combining
Phenolics-Natural Oils-Fibre and Protein.

RED GRAPE SEED POWDER is a primary
source of phenolics and natural fats. protein,
natural sugars and fibre in finished products.

INGREDIENTS

Botanical Name: *Vitis Vinifera*

CAS: 84929-27-1

100% Australian Grape Seeds

RED GRAPE SEED POWDER

Free from preservatives, fillers and additives.

CONCENTRATED PHYTONUTRIENTS

RED GRAPE SEED POWDER contains the
following highly concentrated natural compounds

Antioxidants: Capture oxygen delaying oxidation
which may prevent or delay cell damage

Phenols: Large group of molecules found in plants.
These compounds are responsible for the taste,
colour and mouthfeel and are divided into phenolic
acids and flavonoids.

Phenols present in RED GRAPE SEED

POWDER Phenolic acids and Flavonoids,
Vitamin C, Vitamin E, Anthocyanins,
Linoleic Acid; Omega 6 poly unsaturated fatty acid,
Oleic Acid; Omega 9 mono unsaturated fatty acid



RED GRAPE SEED POWDER

**DIFFERENTIATE YOUR
PRODUCT WITH A NEW
NATURAL PLANT PHENOL,
SUGAR, FAT & FIBRE PROFILE**

RED GRAPE SEED POWDER
impacts upon the structure, viscosity
and consistency of the finished
product. It is easy to store and
operate. The product is stable with
extended shelf life.

Applications Flavour & Ingredient

Origin	Australia
Shelf Life	Unopened 24 Months
MOQ	1kg

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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET

PRODUCT

RED GRAPE SEED POWDER

SPECIFICATIONS

RED GRAPE SEED POWDER

Colour	Red to Deep Red Brown
Total Fat	8-30%
Cholesterol Free Fat	100%
Total Phenols	3.-8%
Protein	8-15%
Fibre	40-50%
Brix	5-20%

**DIFFERENTIATE YOUR
PRODUCT WITH A NEW
NATURAL PLANT PHENOL,
SUGAR, FAT & FIBRE
PROFILE.**



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PACKAGING

1kg, 5kg, 10kg Tubs
20 kg Bags

SHELF LIFE

Shelf Life 2 years unopened in current packaging.

ALLERGENS

	Contains/ Potential Contamination
Cereals & cereal products + Gluten	No
Crustaceans & their products	No
Eggs & egg products	No
Fish & fish products	No
Peanuts or peanut products	No
Soybeans or their products	No
Milk or milk products	No
Nuts & nut products	No
Celery & celery products	No
Mustard & mustard products	No
Sesame seeds & sesame products	No
Sulphur dioxide & sulphites	No



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT APPLE PEEL POWDER

New Class of Powders combining
Phenolics--Fibre and Protein, Vitamin A,
Vitamin C, Calcium and Iron.

APPLE PEEL POWDER is a
primary source of phenolics, protein, natural
sugars and fibre in finished products.

INGREDIENTS

Botanical Name: *Malus domestica*, *Malus pulila*
CAS: 89957-48-2

100% Australian Apple Peel

Free from preservatives, fillers and additives.

CONCENTRATED PHYTONUTRIENTS

APPLE PEEL POWDER contains the following
highly concentrated natural compounds

Antioxidants: Capture oxygen delaying oxidation
which may prevent or delay cell damage.

Phenols: Large group of molecules found in
plants. These compounds are responsible for the
taste, colour and mouthfeel and are divided into
phenolic acids and flavonoids.

APPLE PEEL POWDER contains concentrated
quercetin, triterpenoids, ursolic acid, vitamin A,
Vitamin C, Calcium and Iron.



APPLE PEEL POWDER DIFFERENTIATE YOUR PRODUCT WITH A NEW NATURAL PLANT PHENOL, SUGAR, PROTEIN, ENERGY & FIBRE PROFILE

APPLE PEEL POWDER impacts
upon the structure, viscosity and
consistency of the finished
product. It is easy to store and
operate. The product is stable with
an extended shelf life.

APPLICATIONS FLAVOUR & INGREDIENT PRIVATE LABEL

Origin	Australia
Shelf Life	Unopened 24 Months
MOQ	1kg

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Made in
Australia
with 100%
Australian
Ingredients



Botanical
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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT APPLE PEEL POWDER

SPECIFICATIONS

APPLE PEEL POWDER

Colour	Ligth green to Light Brown
Protein	5%
Total Carbohydrates	45%
Dietary Fibre	30%
Sugar	10%
Energy	222kcal 933 kj
Concentrated Polyphenols	
Vitamin C	
Vitamin A	
Iron	
Calcium	



PACKAGING

1kg, 5kg, 10kg Tubs
20kg Bags

SHELF LIFE AND STORAGE

Shelf Life 2 years from date of manufacture
Store in cool dry environment below 25 degrees celcius.

ALLERGENS

	Contains/ Potential Contamination
Cereals & cereal products + Gluten	No
Crustaceans & their products	No
Eggs & egg products	No
Fish & fish products	No
Peanuts or peanut products	No
Soybeans or their products	No
Milk or milk products	No
Nuts & nut products	No
Celery & celery products	No
Mustard & mustard products	No
Sesame seeds & sesame products	No
Sulphur dioxide & sulphites	No



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

FERMENTED FRUITS AND VINEGARS

CREATE NEW PRODUCTS - ENHANCE EXISTING PRODUCTS
CONCENTRATED PHENOLIC PHYTONUTRIENTS
ANTIOXIDANTS PRE BIOTICS.

APPLE CIDER VINEGAR

Vinegar is one of the oldest fermented foods in the world with a recorded history of continuous use dating back 5,000 years.

Botanical Innovations slow fermentation process ensures its Apple Cider Vinegar is true to nature concentrating all the health and healing properties, phenolics and prebiotic phytonutrients that have ensured vinegar has survived through the centuries.

Botanical Innovations Apple Cider Vinegar has a variety of applications, Natural Healthcare, Cosmeceutical & Functional Foods & Beverages.

APPLE CIDER VINEGAR RAW

Traditionally fermented apple cider vinegar with 'Mother'
Unfiltered & Unpasteurised

APPLE CIDER VINEGAR OAK AGED RAW

Traditionally fermented apple cider vinegar aged with oak with 'Mother'.
Unfiltered & Unpasteurised

APPLE CIDER VINEGAR

Traditionally fermented apple cider vinegar.
Filtered & Pasteurised



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

**Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders**

APPLE CIDER VINEGAR PHENOLIC & FUNCTIONAL PROFILE

PHENOLIC PROFILE

Phenolic compounds are the chemicals produced by plants from photosynthesis.

A plant will produce phenolic compounds to adapt to changing environmental conditions flood, drought, heat, cold, nutritional stress and disease.

Botanical Innovations has created a unique range of phenolic rich ingredients which contain concentrated phenolics with unique properties developed by plants over millions of years

A plants phenolic compound is divided into primary and secondary.

Primary Phenolic Compounds (metabolites): Fructose (Fruit Sugars), Fatty Acids, Amino Acids and Nucleic Acids.

Secondary Phenoloic Compounds (metabolites) are more complex and believed to be responsible for the plants respiratory systems and its ability to survive in the environment.

Secondary Phenolic Compounds include: Antioxidants, Hydroxycinnamic Acids, Hydroxybenzoic Acids, Stilbenes, Flavonoids; Flavonols and Flavan-3-ols.

Botanical Innovations Apple Cider Vinegar range of products contain both primary and secondary phenolic compounds which, provide added health and functional benefits to our products.

Phenolic Profile	Apple Cider Vinegar
Primary Phenolics	
Fructose (Fruit Sugar)	•
Amino Acid	•
Nucleic Acid	•
Secondary Phenolics	
Hydroxycinnamic Acids	•
Hydroxybenzoic acids	•
Stilbenes	•
Flavonoids	•
Other	
Prebiotic	•

FUNCTIONAL PROFILE

Botanical Innovations has developed a Naturally Fermented Apple Cider Vinegar which combines great flavor with a range of health benefits.

Dating back 5,000 BC vinegar has been a staple part of the human diets for millennium. The first recorded use was by the Babylonians who used vinegar as a condiment and preservative. The Ancient Romans consumed vinegar as a beverage and the Ancient Greeks used vinegar to pickle meat and vegetables. The healing properties of vinegar have also been referenced in the bible and the work of Hippocrates. By 2,000BC vinegar production became commercialized and was used to treat disease and wounds.

Today vinegar is used as in foods and beverages and as a health supplement.

The potential benefits of Botanical Innovations

Today vinegar is used taken orally and topically as a health supplement, in foods and beverages and as an ingredients in skin and hair care products.

This literature review summerizes recently published literature about the potential health benefits of Apple Cider Vinegar, Fermented Vinegars and Extracts. The literature identifies the following potential health benefits:

- Asthma symptom alleviation
- Diabetes prevention and treatment
- Antioxidant
- Lowers glucose intake
- Prevention of Cardiovascular disease
- Lowers cholesterol
- Contains anti glycemic properties
- Weight loss
- Lowers blood pressure

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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

APPLE CIDER VINEGAR FUNCTIONAL FOOD & BEVERAGE APPLICATIONS

**APPLE CIDER
VINEGAR**

**PRIVATE LABEL
CREATE NEW
CONDIMENTS**

**INNOVATE-
DIFFERENTIATE
FERMENTED
BEVERAGES**

**DEVELOP A NEW
FUNCTIONAL
HEALTH PROFILE
WITH ADDED
PREBIOTICS**

**CONTACT US FOR
FORMULATIONS
BLENDINGS
PRIVATE LABEL**

FUNCTIONAL FOOD AND BEVERAGE APPLICATIONS	APPLE CIDER VINEGAR
Flavouring	.
Condiments	.
Spice Mixes	
Vinegar	.
Oil	
Savour Sauces	.
Sweet Sauces	.
Prepared Meals	.
Soups	.
Deserts	.
Diary Products	
Ice Cream	
Yogurt	
Cheese	
Confectionary	.
Flour	
Bakery Mixes	
Bakery Goods	
Bread	
Biscuits	
Pastry	
Snack Foods	.
Functional Beverage Applications	
Fermented Drinks	.
Soft Drins	.
Energy Drinks	.
Mixers	.
Cocktail Mixes	.
Syrups	.
Teas	.
Flavoured Milks	.
Flavoured Waters	.
Fruit Juices	.



AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

**Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders**

DATA SHEET PRODUCT

AUSTRALIAN APPLE CIDER VINEGAR

Differentiate your product range and health profile using naturally fermented Australian Apple Cider Vinegar.

INGREDIENTS

Product Name: Australian Apple Cider Vinegar
Botanical Name: *Malus domestic*, *Malus Pumila*
CAS: 8028-52-2
INCI: Pyrus Malus (Apple Cider Vinegar)
Description: 100% Naturally Fermented Apple Cider Vinegar

PRODUCT RANGE

Apple Cider Vinegar Raw
Apple Cider Vinegar Raw Oak Aged
Apple Cider Vinegar

CONCENTRATED PHYTONUTRIENTS

Antioxidants

Capture oxygen delaying oxidation which may prevent or delay cell damage

Polyphenols

Large group of molecules found in plants. These compounds are responsible for the taste, colour and mouthfeel and are divided into phenolic acids and flavonoids.

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Differentiate your product range and products profile with added functional health benefits and a new flavour and aroma profile.

AUSTRALIAN APPLE CIDER VINEGAR

impacts upon the depth profile, flavour and shelf life of the finished product. It is easy to store and operate. The product is stable with extended shelf life.

APPLICATIONS FLAVOUR & INGREDIENT

Origin	Australia
Shelf Life	Unopened 24 Months
MOQ	500ML



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

DATA SHEET PRODUCT AUSTRALIAN APPLE CIDER VINEGAR

SPECIFICATIONS

Apple Cider Vinegar Raw

Colour: Amber
Raw: Unfiltered
With Mother: Unpasteurised

Apple Cider Vinegar Raw Oak Aged

Colour: Amber to Dark Amber
Raw: Unfiltered
With Mother: Unpasteurised

Apple Cider Vinegar

Colour: Amber
Filtered
Pasteurised

NUTRITIONAL INFORMATION

	100 ml	
Energy	20	kJ
Protein	< 0.1	g
Fat	< 0.2	g
Saturated Fat	< 0.1	g
Carbohydrate		
Total	< 1	g
Sugars - Total	< 1	g
Sodium	1.3	mg
Acidity	5-8	%

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PACKAGING

500ML, 1 Litre, 5 Litre, 10 litre, 20 litre, 50 litre, 100 litre, 200 litre drums, 1,000 litre IBC. For orders over 1 tonne contact us to discuss your requirements.

SHELF LIFE

Shelf Life 2 years unopened.

ALLERGENS

	Contains/ Potential Contamination
Cereals & cereal products + Gluten	No
Crustaceans & their products	No
Eggs & egg products	No
Fish & fish products	No
Peanuts or peanut products	No
Soybeans or their products	No
Milk or milk products	No
Nuts & nut products	No
Celery & celery products	No
Mustard & mustard products	No
Sesame seeds & sesame products	No
Sulphur dioxide & sulphites	No



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AUSTRALIAN FUNCTIONAL NUTRACEUTICAL FLAVOURS, FRAGRANCES & INGREDIENTS

Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders

ESSENTIAL OILS

AUSTRALIAN BUDDHA WOOD ESSENTIAL OIL

AUSTRALIAN DESERT ROSEWOOD ESSENTIAL OIL

DIFFERENTIATE YOUR PRODUCTS A NEW AROMA PROFILE

AUSTRALIAN BUDDHA WOOD ESSENTIAL OIL

A RICH DELICATE SWEET WOODY AROMA WITH A HINT OF VANILLA

Product Name: Buddha Wood Essential Oil

Botanical Name: *Eremophila Mitchellii*

Common Names: **Australian Desert**

Rosewood

Essential Oil

Description: Oil from *Eremophila Mitchellii* heartwood.

Until now the two most prized essential oils derived from wood in the world have been Agarwood and Sandalwood.

The commercial production of Buddha Wood or Australian Desert Rosewood essential oil creates a third sustainably harvested wild timber essential oil for the cosmetic and nutraceutical market.



Buddha Wood Essential Oil is the Australian essential oil derived from the *Eremophilla Mitchellii* tree which has similar properties and chemistry to Agarwood and Sandalwood with its own distinct deep aroma.

APPLICATIONS INCLUDE PERFUME, FRAGRANCE, MASSAGE OIL, SKIN CARE, AROMATHERAPY AND THERAPEUTIC APPLICATIONS AS AN ANALGESIC FOR MUSCLE AND JOINT PAIN MANAGEMENT.



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**Plant Extracts-Naturally Fermented Fruits and Vinegars
Cold Pressed Oils-Essential Oils-Phenolic Rich Powders**

BOTANICAL INNOVATIONS NEW PHENOLIC RICH PHYTONUTRIENTS PRODUCT RANGE

PLANT EXTRACTS

Red Grape Skin Extract
White Grape Skin Extract
Red Grape Seed Extract
White Grape Seed Extract
Australian French Oak Extract

FERMENTED PLANT EXTRACTS

Fermented Red Grape Seed Extract
Fermented White Grape Seed Extract
Fermented Red Grape Skin Extract
Fermented White Grape Skin Extract
Fermented Apple Peel Extract

COLD PRESSED SEED OILS

Australian Grape Seed Oil
Australian French Oak Grape Seed Oil
Australian Macadamia Grape Seed Oil
Australian Apple Seed Oil
Australian Apple Macadamia Seed Oil
Australian Sweet Cherry Seed Oil
Australian Sweet Cherry Macadamia Seed Oil

FERMENTED FRUIT & VINEGAR

Australian Apple Cider Vinegar

FRUIT POWDERS

Red Grape Seed Powder
White Grape Seed Powder
Apple Peel Powder

ESSENTIAL OILS

Australian Desert Rosewood Essential Oil
Australian Buddha Wood Oil
Australian Buddha Wood Aromatherapy Water



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