ROSEHIP
OUR VISION
Our vision is to identify and develop new foods, cosmetics and medicines from the vast botanical resources in Southern Africa.

OUR VALUES
We honour the inherent value of African medicinal herbs. We respect nature and strive to employ the best practices in sustainable wild harvesting. We strive to uplift the communities we work with by developing profit sharing and skills development partnerships with indigenous people.

OUR MISSION
Afrigetics wish to introduce the world to the immense healing power of African botanical resources. We are committed to developing commercially viable ingredients and developing strong supply chains to deliver our product to the international food, cosmetic and wellness markets.
MESSAGE FROM OUR CEO

Rosehip is a wild berry with many uses: cosmetic, phytocare, food & beverage.

We are excited to introduce you to our wild-harvested, organic certified rosehip from the Drakensberg mountains of Lesotho. Our range of rosehip products covers every sphere of natural product applications.

We’ve gone to great lengths to ensure ethical trade, sustainable practice and traceability of our rosehip products. Our sales team are passionate about all things rosehip and we look forward to the opportunity to seeing how we can be of service to you.

Sincerely,

Steven Hurt
Owner & Director
Afrigetics Botanicals

#1
Cosmetic Anti-aging
Rosehip oil is a fast-growing trend in natural skincare products.

#2
Phytocare
Vitamin C + Joint Health
Rosehip oil reduces wrinkles and fine lines and is sold as an anti-aging cosmetic.

#3
Food & Beverage
Rosehip shell is rich in vitamin C and used for vitamin and food supplements.
Herbal Tea & Botanical Syrup
Rosehip shells are popular in the tea industry.

Rosehip kernel extracts rich in galactolipids are used as an effective and natural alternative to chondroitin and glucosamine in joint health products.

Rosehip sugar-free syrups are an innovation that addresses the market requirement for sugar-free drinks.
The Zulu people named the 300-kilometre section of mountain range bordering KwaZulu-Natal and the mountain Kingdom of Lesotho ‘uKhahlamba, meaning “Barrier of Spears”. The early Dutch settlers called the rugged peaks the Drakensberge or ‘Dragon Mountains’. Nowadays, this breathtaking wilderness is referred to by locals simply as the ‘Berg’. It is here, between dramatic mountain peaks, the thorny creeper, rosehip, reveals tremendous healing properties.

The pretty summer wildflower is more commonly known to occupy hedgerows and woodlands in Europe. Its fragrant pale pink petals are used as a perfume. The bright red fleshy fruits were traditionally harvested and boiled down for rosehip syrup, herbal teas and marmalade. In addition to its long history of food use in Europe, an oil pressed from the seeds was favoured by ancient Egyptians for its remarkable healing properties. Rosehip is one of the best vegetable sources of omega 3, 6 and retinoic acid, making it prized for its ability to repair damaged skin tissue. Exports of the rosehip seeds and fruit harbour phytochemicals now universally praised for their tremendous medicinal properties. Afrigetics now package the essential inflammation fighting properties in their flagship extract Rosalipid™.

Indigenous to Europe, Northwest Africa and Western Asia, the Dog Rose as it is also known, was introduced to South Africa by British explorers as a fodder for horses in the 19th century. Due to its high vitamin C content, sailors consumed the hips to stave off scurvy whilst at sea. It became an important food supplement in Britain during the Second World War when food shortages led to harvesting of wild plant foods.

Records of the medicinal use of this remarkable plant date back at least 2000 years. The Dog Rose was first described by Pliny the Elder (23 – 79 BC) who encountered its use amongst primitive French tribes for its treatment of inflamed dog bites. Due to its high vitamin C content, sailors consumed the hips to stave off scurvy whilst at sea. It became an important food supplement in Britain during the Second World War when food shortages led to harvesting of wild plant foods.

Extracts of the leaves, hips and seeds were used as a popular herbal remedy for treating a range of ailments. Rosehip preparations act as a diuretic and were used to treat kidney conditions and urinary tract infections. The hips are a powerful antioxidant and have shown anti-cancer properties. For centuries the plant was used to treat gastrointestinal ailments in humans, dogs and horses as well as inflammation, including gout, arthritis and joint disease. Rosehip oil is used in aromatherapy and as a regenerating and nourishing skin conditioner.
Afrigetics works with a team of primary producers in the remote and rugged highlands of Lesotho to harvest and process the rosehip crop. Bright Mountain Oils (BMO) is a significant producer of rosehip oil in the world and has a solid reputation built on ethical trade, sustainable practice and traceability.

CEO of Bright Mountain Oils, Dane Vaughan Poulsen, is the passionate and knowledgeable force behind the enterprise. Poulsen is adamant that the community who live alongside rosehip obtain benefit from their natural heritage...
“Creating sustainable trade in local communities is a cornerstone of our business.” maintains Poulsen. The rosehip crop is wild harvested by groups of local women in the winter months. Rosehip bears fruit between April and August. Pickers fill their buckets with the plump red berries and trek back to the sorting table where the harvest is measured by volume. Pickers are then paid cash for their produce. In this way, BMO strives to ensure that value is channelled directly to the rural people of Lesotho. Poulsen continues, “It’s vital to us that community members value their natural resources and obtain maximum benefit from their traditional knowledge.”

BMO take a holistic approach to creating sustainability in the rosehip economy. The rural location of the harvesters mean they lack reliable access to electricity and running water. Energy poverty is a considerable challenge. In response, BMO are developing ‘off the grid’ solutions, using solar and thermal energy systems to uplift their workforce. They offer the pickers access to running water and electrical power points to charge their portable batteries. Trucks which transport the crop away from the highland communities are then utilized to carry cost-price staple foods back to the pickers, on their return journey. “We want to develop strong relationships with our harvesters,” says Poulsen. “It’s essential that we secure a supply chain which becomes a cornerstone to village life.”
Rosehip processing begins in the border town of Wepener, a small enclave straddling the mountainous kingdom of Lesotho and the Free State Province of South Africa. Over 2000 tonnes of rosehip pass through BMO’s plant per year, this provides employment to an essential proportion of the local population. Rosehip has effectively transformed the local economy.

Processing involves dehydrating the fruit at a temperature of 40 degrees Celsius to ensure the integrity of the bioactive ingredients is maintained. The berries are then milled and split to release their seeds, this component is carefully separated. The fruit portion is ground into fine particles, a process known as micronizing. This powdered fruit flesh is rich in phytonutrients including Vitamin C, flavonoids, carotenoids and minerals. The nutrients are protected in cellular matter, thereby preserving their biological activity.

The dried seeds are split to release their lipid rich kernels. BMO’s proprietary process is used to extract the fatty acids from the kernel including linoleic acid, omega 3, 6, and 9 as well as the vital galactolipids. Poulsen comments that every possible fraction of the plant is used, value is often found in by-products and waste products. “We pride ourselves on taking one botanical resource and developing as many bio-streams as possible,” says the driven entrepreneur. Cosmetic oils, exfoliants, flavourings and fragrances are separated from the different components of the plant. Even the husks of the seeds are not discarded, but used as fuel to fire the drying kilns. Poulsen remarks that this is the beauty of their ‘green technology’; “nothing is thrown away, a potential waste material is turned into a useful resource”.

PEOPLE-CENTRED PROCESS

Cosmetic Oils
Exfoliants
Cosmetic Oils
Flavours
Huks (fuel)
RosaLipid
Rosa C+®
RosaLipid
TEA CUT
RosaLipid
RosaC+®
RosaLipid
RosaBA
Afrigetics Botanicals recognises the immense value in South Africa’s indigenous medicinal plants and works in partnership with BMO to provide a sustainable long-term supply of wild harvested rosehip.

BMO recombine the powdered fruit and lipid components into a valuable medicinal complex, proudly named RosALipid™. This compound preparation requires four kilograms of the raw plant material to generate only one kilogram of concentrated complex. BMO understands that nature packages nutrients in their perfect ratio and seeks to mimic that perfect balance in preparing the RosALipid™ complex. Poulsen says “in this way, bioavailability is maximised and the complex delivers its medicinal phytochemicals in their most active form”.

In contrast, traditional rosehip extraction techniques make use of boiling water to capture some of the useful phytochemicals in solution. This infusion technique, however, doesn’t allow the extraction of fat soluble materials and so the hot water extracts are devoid of essential lipids. This processing technique also exposes the vulnerable bioactive ingredients to oxidative damage.

The rosehips are certified organic by EcoCert and are being accredited by the “FairWild Foundation”. BMO liaise with local community councils in Lesotho to ensure that the rosehips are collected sustainably, that the biodiversity of the region is preserved and a just price is paid to local harvesters. Dane Vaughan Poulsen comments; “everyone involved in value chain receives fair value, harvesters are paid fairly and given an opportunity to enjoy reasonable living conditions”. It’s vital to BMO that other potentially vulnerable plant species in the local ecosystems are protected. BMO’s RosALipid™ is also being Rainforest Alliance certified, ensuring the ecological integrity is maintained and local forests are not destroyed in the harvesting of drying fuel.

In addition to supplementing their income, and under the stipulations of the Nagoya Protocol, local collectors and land owners profit from a benefit sharing agreement where a rand value of their harvest is paid into a government controlled ‘Bioprospecting Trust Fund’ for distribution within the community.

Afrigetics are proud to partner with Bright Mountain Oil, a company which exhibits exceptional integrity and shares a vision which places Africa’s people and plants before profit. “Africa is traditionally a continent in which rural people are high jacked by big corporations and value is channelled to the wealthiest,” says Poulsen. “We want to create a different economy,” he explains “where we provide the infrastructure for local communities to utilise their own creativity and skills to unlock the value at their feet”.

Lesotho is a very poor country with about 40% of the population living below the international poverty line. Lesotho is declared a high altitude desert leaving rural people little in the way of a sustainable income, especially in the winter months. Rosehips are hand-picked in winter, mainly by women, providing the local communities with valuable and sustainable economic opportunities.
NEW CLINICAL EVIDENCE

Certified organic rosehip oil, globally recognised for its performance and efficacy.

Certified organic rosehip oil, rich source of essential fatty acids (EFA’s) - omega 3, 6 and 9, vitamins and antioxidants.

ORGANIC ROSEHIP OIL

Organic rosehip oil is a rich source of essential fatty acids (EFA’s) - Omega 3, 6 and 9, vitamins and antioxidants.

Most prominent for its therapeutic affect is it's natural source of topical trans-retinoic acid (a derivative of vitamin A). Unlike the synthetic form – commonly known as Retinol – the substance found in rosehip oil is part of its naturally occurring state and combined with the essential fatty acids, has been proven to help repair and rebuild sun-damaged, scarred and oily skin. It is for this reason that rosehip oil makes a powerful beauty treatment oil proven to help treat acne and acne scarring, oily skin, wrinkles, fine lines, uneven skin tone and pigmentation.

Rosehip oil is widely recognized for the effects of the natural topical trans-retinoic acid (vitamin A) it contains. The unique properties of rosehip oil were first discovered in 1983 University of Concepcion (Chile). In a two-year study, rosehip oil was applied to 180 patients with surgical, traumatic and burn scars, as well as to a group suffering from premature ageing of the skin. The results were remarkable. Continuous application of rosehip oil effectively decreased scars and wrinkles, halted advancement of premature ageing, and restored lost skin natural color and tone.

Dr Leonardo Rusowsky, surgeon at Enrique Deformes Hospital in Santiago, Chile, and acting president of the Corporation for Aid to Children with Burns has researched the healing properties of rosehip oil and has stated that it improves the texture and quality of skin by increasing its elasticity and flattens out scarring and improves the colour of scars and surrounding skin.

To date, rosehip oil has helped in the recovery of thousands of burn victims and is currently being used by several teams of plastic surgeons in the treatment of scars.

Source: Drs. Pareja and Kehl, 1998, "Contributions to Identification and Application of Active Components Contained in Rosa Aff. Rubiginosa (Rosehip Oil)."
Cold-pressing is a mechanical extraction of the seed. Bright Mountain Oils extracts using a low temperature extruder specifically designed for rosehip seed to produce a 100% pure natural oil with a light fragrance. Our high quality cold-pressed rosehip oil ranges from a beautiful deep golden hue through to a rich red-orange colour. Although we prefer to keep it as natural as possible, we do have the capability to meet client specific colour and fragrance profiles, including complete decolourisation and deodorisation.

A rich source of essential fatty acids - Omega 3, 6, and 9 are the essential fatty acids required by our body. These elements are vital for the health of our skin and our overall health and well-being. The human body is unable to produce these fatty acids. These acids help repair damaged skin tissue and regenerate skin cells. It is the essential fatty acids in rosehip oil that quench dry, sun damaged skin and help to improve the appearance of burns, scars, wrinkles and stretch marks. Our rosehip oil is guaranteed to contain a minimum of 80% essential fatty acids.

Cold-pressed seed oil is positioned as a pure face oil and is also well suited for cosmetic formulations due to its mild colour and fragrance. Rosehip seed oil is known as a dry light oil, absorbing rapidly and leaving a non-greasy feel on the skin.

Rosehip seed oil is known for its skin hydrating properties and ability to help with skin regeneration and repair, idyllic for anti-aging.

A rich source of phytochemicals such as phenolic compounds, tocopherols (vitamin E), trans-retinoic acid (a derivative of vitamin A), Beta-carotene (a precursor to vitamin A) and Lycopene.
CO2 EXTRACTED WHOLE FRUIT OIL

CO2 extraction is a heat-free, oxygen-free and solvent-free process, also known as super critical extraction. This makes it the gold standard for lipid extraction as it maintains sensitive nutrients as well as extracts the volatile components for a complete active profile.

Rosehip whole fruit oil contains the nutrients of both the seed and fruit pulp, making it many times richer in vitamin A and giving it deep golden-red hue with a pleasantly fruity aroma.

ROSEHIP WHOLE FRUIT OIL (CO2 EXTRACT) is rich in trans-retinoic acid (a derivative of vitamin A), Beta-carotene (a precursor to vitamin A) and Lycopene. The latest research reveals that trans-retinoic acid could help prevent premature ageing caused due to sun exposure. When skin is exposed to the sun it can increase levels of enzymes that lead to the breakdown of collagen and elastin. The trans-retinoic acid in rosehip oil reduces the activity of these skin-damaging enzymes, reducing damage caused by the sun.

<table>
<thead>
<tr>
<th>VITAMIN A CONTENT ANALYSIS</th>
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<tbody>
<tr>
<td>VitaMin a (ug/100g)</td>
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<tr>
<td>Seed Oil (Cold-Pressed)</td>
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<tr>
<td>5000</td>
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<tr>
<td>4500</td>
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WHOLE FRUIT OIL (CO2 EXTRACT) contains Pulp Oil which has 6 times more vitamin A than Seed Oil. Beta-carotene - precursor to vitamin A.

Natural source of Vitamin A

Co2 EXTRACTED WHOLE FRUIT OIL

ORGANIC ROSEHIP WHOLE FRUIT OIL (CO2 EXTRACT)
The humble rosehip berry is a powerhouse of natural phytochemicals that offer substantial health benefits. The health benefits of the berry have been documented since ancient Greek times and continue to be used in progressive phytocare solutions for modern day ailments.

The whole rosehip berry is rich in vitamin C and bioflavonoids which are phytoneutrients that make it a strong candidate for natural immune-boosting and cold-care products. The syrup of rosehip berries has long been used as a natural immune-boosting tonic for children in Europe and many people have fond memories of using it as a natural home remedy. In modern times this phytoneutrient complex has been packed into tablets, capsules and other health supplements to continue the long tradition of utilizing the natural properties of nature’s own medicines.

In recent times the inner kernel of the rosehip seed has become a popular ingredient for joint health products. The secret is in the galactolipids stored inside the seed kernel and many scientific studies have shown how these improve joint health by reducing pain and inflammation.

The global trend in healthcare is turning toward natural remedies more and more. People are looking for natural products that optimize their health and wellness before they get ill. Rosehip extracts offer consumers what they want: natural, effective and safe healing remedies.
3 WAY EFFECT

Rosalipid™ is the powdered fruit and lipid component of the whole rosehip combined into a valuable medicinal complex. We understand that nature packages nutrients in their perfect ratio and seeks to mimic that perfect balance in preparing the Rosalipid™ complex. In this way bioavailability is maximised and the complex delivers its medicinal phytochemicals in their most active form.

**Osteo-Arthritis & Pain Relief**

Rosalipid™ is the powdered fruit and lipid component of the whole rosehip combined into a valuable medicinal complex. We understand that nature packages nutrients in their perfect ratio and seeks to mimic that perfect balance in preparing the Rosalipid™ complex. In this way bioavailability is maximised and the complex delivers its medicinal phytochemicals in their most active form.

**The molecular structure of the galactolipid GOpO.**
Abbreviation: GOpO: (2S)-3-{[O-C(2-4-6-O-β-D-glucopyranosyl)oxy]-dodeca-9,12,15-trienoyl}-3-O-β-D-galactopyranosylglycerol.
Our rosehips are wild harvested in the high altitudes of Lesotho mountains and rich in vitamin C.

Rosa-C™ is a natural source of vitamin C from organic, wild-harvested rosehip berries, picked at high altitudes, where the vitamin C content is most concentrated.

Roselip is recognized as a natural source of vitamin C and is often formulated as a complimentary ingredient in vitamin C supplements and multivitamin health products for immune support.

Rosa-C™ is a superfood rosehip powder designed to deliver natural vitamin C for the functional food & beverage industry, as well as nutraceutical and supplement industry.

Freshly picked berries are dried at low temperatures to preserve the nutrient content. The fruit pulp is then gently milled to 40 mesh, a 0.4mm particle size. Depending on a client’s application, Rosa-C™ can be micronized for greater solubility.

Rosa-C™ contains ascorbic acid (vitamin C), pectins, carotenoids (mainly rubixanthan, lycopene and α-carotene), flavonoids, tannins, organic acids (malic and citric acid) and sugars.
Rosehip has proven to be a versatile natural ingredient in the food and beverage industry due to its flavour and colour applications and obvious health benefits. Rosehip is increasingly being regarded as an ancient and true superfruit that is a true tonic for overall health and well-being. Packed full of 8 naturally occurring vitamins (including C, E, B1 and B6), 23 minerals (including iron, copper, zinc and magnesium), essential fatty acids (omegas 3, 6 and 9), antioxidants and flavonoids, it is well-suited to functional foods.

The deep-red pigment and astringent wild berry-taste are highly sought after for their taste and color profiles. In the tea industry rosehip is used to create a well-rounded flavour profile in herbal tea blends. The tea has a fruity tangy flavour similar to hibiscus flower and contributes a rich red colour to the beverage. As a syrup or fruit coulis, it’s can be used on desserts, in cool-drinks, alcoholic beverages, over vegetable dishes or as a base for soups or other sauces. Rosehip is a popular flake in porridges and breakfast mixed to add a fruity tang and a dash of colour.

Rosehip powder is perfect as a stand-alone superfruit powder for smoothies or even for blending into dessert recipes, fruit bars or dried fruit rolls.
Berries are transported from the mountain harvest sites down to a 4000m² processing facility, where the berried are dried, cleaned and graded. The berries are then split into seed and shell. The shell is then either sold as half shell (loose leaf tea) or processed into tea bag cut.

Due to summer rainfall patterns in the Kingdom of Lesotho, Bright Mountain Oils is able to harvest berries throughout the winter season. Contrary to Chilean Rosehip we are able to harvest the berries later in the season allowing the berry’s natural sugars and flavour to develop, producing a rich full flavoured tea profile.

ROSEHIP TEA

Certified organic, Wild harvested, high altitude, concentrated actives (vitamin C), pristine mountain landscape.
## COSMETICS

<table>
<thead>
<tr>
<th>PRODUCT NAME FORM</th>
<th>DESCRIPTION</th>
<th>APPLICATION</th>
<th>MARKET SECTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Organic Rosehip Seed Oil (cold-pressed)</strong></td>
<td>Cold-pressed Seed Oil, golden yellow in colour with a light characteristic fragrance. Available in deodorized and decoloured format.</td>
<td>Pure Oil, or in cosmetic formulation</td>
<td>Cosmeceutical</td>
</tr>
<tr>
<td><strong>Organic Rosehip Whole Fruit Oil (CO2 extract)</strong></td>
<td>Supercritical CO2 extract of rosehip fruit pulp vitamin A. Concentrated vitamin A extract, deep red in colour, with a fruity aroma.</td>
<td>Pure Oil, or in cosmetic formulation</td>
<td>Cosmeceutical</td>
</tr>
<tr>
<td><strong>Rosa-A (CO2 extract)</strong></td>
<td>Supercritical CO2 extract of rosehip fruit pulp vitamin A. Concentrated vitamin A extract, deep red in colour, with a fruity aroma.</td>
<td>Pure Oil, or in cosmetic formulation</td>
<td>Cosmeceutical</td>
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## PHYTOCARE

<table>
<thead>
<tr>
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<th>MARKET SECTOR</th>
</tr>
</thead>
</table>
| **RosaLipid™ Joint Health Extract** | **Powder Extract**  
Rosa canina fruit pulp powder, excluding seed, standardised with 50% vitamin C | Tablets, capsules, pure powder, food ingredients | PhytoCare |
| **Rosa-C** | **Powder Extract**  
Rosa canina fruit powder, excluding seed, standardised with 50% vitamin C | Tablets, capsules, pure powder, food ingredients | PhytoCare, Food & Beverage |

## FOOD & BEVERAGE

<table>
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<th>DESCRIPTION</th>
<th>APPLICATION</th>
<th>MARKET SECTOR</th>
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</thead>
<tbody>
<tr>
<td><strong>Rosehip Shell Powder</strong></td>
<td>Dehydrated rosehip pulp, milled into powder, golden orange in colour.</td>
<td>Tablets, capsules, pure powder, food ingredients</td>
<td>Food &amp; Beverage</td>
</tr>
<tr>
<td><strong>Rosehip Shell</strong></td>
<td>Dehydrated rosehip pulp, deep red in colour.</td>
<td>Loose Tea, Tea Bag, Food Ingredient</td>
<td>Food &amp; Beverage</td>
</tr>
<tr>
<td><strong>Rosehip Syrup</strong></td>
<td>Concentrated glycerine extract. Deep rich red liquid with a wild berry flavour profile.</td>
<td>Loose Tea, Tea Bag, Food Ingredient</td>
<td>Food &amp; Beverage</td>
</tr>
</tbody>
</table>
Afrigetics offers liquid extracts of rosehip whole berries that can be used for further processing or as stand-alone products. All extracts are manufactured for us by certified facilities, audited under our FSSC 22000 program.

**ORGANIC ROSEHIP WHOLE FRUIT OIL (CO2 Extract)**

**PRODUCT DESCRIPTION**
Supercritical CO2 extracted whole fruit oil, deep golden-orange to red in colour with a pleasantly fruity aroma.

**FEATURES**
Suitable for use as a pure oil or in cosmetic formulations. Fatty acid profile: Polyunsaturated essential fatty acids: 40 - 60 % linoleic acid (C18:2, omega-6), 20 - 40 % alpha-linolenic acid (C18:3, omega-3), 14 - 20 % oleic acid (C18:1, omega-9), stearic and palmitic acid, sterols, tocopherols and 0.01 - 0.02 % carotenoids. Vitamin A (retinyl palmitate) and trans-retinoic acid (a derivative of vitamin A).

**INCI-NAMES**
Rosa canina (Rosehip) fruit extract, CAS-No. 84696-47-9, EINECS-No. 283-652-0, and Rosmarinus Officinalis (Rosemary) leaf extract, CAS-No. 84694-14-8, EINECS-No. 283-291-9 (INCI key G: less than or equal to 0.1 %).

**CERTIFICATIONS**
Ecocert EOS and NOP Organic Certified.

**PACKAGING DESCRIPTION**
25 litre steel drum (Epoxy lined), 210 litre steel drum (Epoxy lined), 1000 litre IBC Flowbin.

**ORGANIC ROSEHIP SEED OIL (Cold Pressed)**

**PRODUCT DESCRIPTION**
Cold pressed seed oil, golden-yellow in colour with a light characteristic fragrance. Available in deodorised and decolourised format.

**FEATURES**
Suitable for use as a pure oil in cosmetic formulations. Fatty acid profile: Polyunsaturated essential fatty acids: 35 - 50 % linoleic acid (C18:2, omega-6), 30 - 40 % alpha-linolenic acid (C18:3, omega-3), 10 - 20 % oleic acid (C18:1, omega-9), Palmitic acid & Stearic acid.

**INCI-NAMES**
Rosa Canina Seed Oil, CAS-No. 84623-93-0.

**CERTIFICATIONS**
Ecocert EOS and NOP Organic Certified.

**PACKAGING DESCRIPTION**
25 litre steel drum (Epoxy lined), 210 litre steel drum (Epoxy lined), 1000 litre IBC Flowbin.

**ROSA-A (CO2 Extract)**

**PRODUCT DESCRIPTION**
Supercritical CO2 extract of Rosehip Fruit Pulp Vitamin A. Concentrated trans-retinoic acid (a derivative of vitamin A) & Beta-carotene (a precursor to Vitamin A) extract, deep red in colour, with a fruity aroma.

**INCI-NAMES**
Rosa Canina Fruit Oil, CAS-No. 84694-47-9, EINECS-No. 283-652-0.

**CERTIFICATIONS**
Ecocert EOS and NOP Organic Certified.

**PACKAGING DESCRIPTION**
25 litre steel drum (Epoxy lined), 210 litre steel drum (Epoxy lined), 1000 litre IBC Flowbin.
Afrigetics offers powder extracts of rosehip with varying levels of active ingredients and solubility. Rosalipid™ and Rosa-C™ are manufactured for Afrigetics by certified facilities, audited under our FSSC 22000 programme.

**PRODUCT DESCRIPTION**
Rosehip whole berry complex.

**FEATURES**
Powdered fruit and lipid components of the whole rosehip. This powder can be used in powder and capsule formulations on its own or in combination with other ingredients.

**ACTIVE INGREDIENTS**
Galactolipids, vitamin C, vitamin E, lycoprene, carotenoids and isoquercitrin.

**PACKAGING DESCRIPTION**
1kg and 5kg foil gusset bag, ziplock closure.

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**PRODUCT DESCRIPTION**
Rosa canina fruit pulp powder, excluding seed, standardised with 50% vitamin C milled to a 0.4mm particle size (40-mesh).

**FEATURES**
Suitable for use as a pure powder supplement and ingredient formulation. Nutrient profile contains ascorbic acid (vitamin C), pectins, carotenoids (mainly rubixanthan, lycopene and β-carotene), flavonoids, isoquercitrin, tannins, organic acids (malic and citric acid) and glycosides.

**ACTIVE INGREDIENTS**
Vitamin C, vitamin E, lycoprene, carotenoids and isoquercitrin.

**PACKAGING DESCRIPTION**
1kg and 5kg foil gusset bag, ziplock closure.
Afrigetics specializes in the supply of wild-harvested rosehip raw materials and offers a range of products from raw materials to extracts and finished products. Our products are handled within an FSSC22000 environment and adhere to the requirements of the international marketplace.

**ROSEHIP SHELL**

**PRODUCT DESCRIPTION**
Dehydrated rosehip pulp, deep red in colour.

**FORMATS**
Half shell (loose leaf tea) or tea bag cut.

**CERTIFICATIONS**
Ecocert EOS and NOP organic certified.

**PACKAGING DESCRIPTION**
Inner packaging - 10 kg PVC plastic liner (food grade).
Outer packaging - 10 kg White polypropylene agricultural weaved bag.
- or -
30 kg Laminated lined polypropylene agricultural weaved bag.

**ROSEHIP MILLED POWDER**

**PRODUCT DESCRIPTION**
Dehydrated rosehip pulp milled into powder, golden orange in colour.

**FORMATS**
0.4mm particle size (40-mesh) powder.

**CERTIFICATIONS**
Ecocert EOS and NOP organic certified.

**PACKAGING DESCRIPTION**
Inner packaging - 10 kg PVC plastic liner (food grade).
Outer packaging - 10 kg White polypropylene agricultural weaved bag.
- or -
30 kg Laminated lined polypropylene agricultural weaved bag.
Afrigetics is rooted in African ethnopharmacology. We are experts in traditional medicinal knowledge and our team maintain strong ties with local plant users. We are leaders in sustainable harvesting and diligent partners with rural harvesters. Afrigetics is committed to combining twentieth century innovation with ancient African indigenous knowledge. Our products are backed-by-science, Afrigetics has research partnerships with a number of South African universities. We have a proven track record as reliable exporters and are pioneering novel processing techniques to bring our clients tailor-made raw materials and extracts.

Afrigetics is driven by superior quality, we believe our standards of food safety set us apart. Afrigetics has invested in a state of the art quality assurance system with FSSC 22000 accreditation. This Food Safety System Certification demonstrates our company’s robust and effective management system. Our reliable team are well positioned to meet the requirements of regulators, food business clients and consumers. In addition, Afrigetics are licenced distributors of indigenous flora and FDA registered.

Afrigetics are passionate about discovering, protecting and developing African botanical wisdom. We are poised to unlock the tremendous potential of African medicinal herbs and bring these resources to a global platform. We wish to share the success of the African pharmacopeia with the world and we believe the star of our medicine chest is undoubtedly the African pelargonium. Afrigetics seeks to empower our clients to reap the benefits of these valued botanicals in their products, thus enabling others to share in the healing power of nature.

“We believe that the botanical resources of Africa may hold the key to the treatment of major medical and health ailments and, we want to be at the forefront of these discoveries...”

Afrigetics is a leading exporter of Southern African medicinal herbs. Our award-winning team prides itself on providing superior African healing plants to the international market.
In striving to continually improve our services we have now gone the extra mile to ensure that our palletization is truly world class. Our company offers packaging solutions that will withstand the toughest journeys by road, air or sea. Better packaging of your goods means fewer troubles further down the line by reducing the exposure to moisture (especially on sea cargo), damage by poor third party handling and general accidents that can occur during transit. Speak to us about your packaging requirements and we will listen to your every need.

**PACKAGING**

Our company offers packaging solutions that will withstand the toughest journeys by road, air or sea.

**PALLETIZATION**

Shrink wrapped and strapped.
Afrigetics Botanicals is export ready. Since June 2008 we have successfully delivered over 1000 consignments by air, sea and courier to North America (USA, Canada), South America (Brazil, Argentina), West Europe (Germany, France, Italy, UK), Eastern Europe (Ukraine, Russia), Asia (China, Korea) and the Middle East.

Our logistics training is compliant with INCOTERMS 2010 and we have substantial experience in all aspects pertaining to the export process - which is faithfully carried out by VDM Cargo Solutions.

- International Sea and Air Freight Forwarding
- Customs Clearing
- Warehousing (Bonded and Duty Paid)
- Cartage (Deliveries)
- Marine and Airfreight Insurance
Franco van der Merwe, owner of VdM Cargo Solutions started his career at Customs in 1991 as auditor in the Excise department followed by a stint as a Customs import inspector before entering the private sector.

Over the past 27 years he has gained valuable experience in all aspects of imports and exports, from framing entries to heading up operations for a major clearing and forwarding house in South Africa.

His passion for the industry and his clients ultimately led him to start VDM Cargo Solutions.
The specific mechanisms for bioactivity associated with three FAs that are abundant in R. canina fruits have been clarified in research. For example, linoleic acid, α-linolenic acid (mostly present in the seeds from R. canina) and a galactolipid referred to as GOPO, have been shown to have anti-inflammatory properties.  

90% of the subgroup taking rosehip containing GOPO reported reductions of pain in the hand while on active treatment. Active treatment also resulted in a 33% reduction in the consumption of rescue medication. Symptom reduction was still present 3 weeks after a switch to the placebo, further evidencing the long duration of GOPO’s action (Winther et al., 2013).
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