

HEALTH INGREDIENTS

exGrape™ TOTAL Grape extracts
exGrape™ ANTHOCYANINS Grape skin extracts
exGrape™ SEED Grape seed extracts
Olivex™ Olive extract
OleoGrape™ SEED Grape & Olive extract
Veri-te™ & Juneo™ Resveratrol
VinoFit+™ Red wine polyphenols & Resveratrol
Fenoprolic® Organic Pine bark extracts
Feno-Chaga® Organic Chaga extracts
Feno-Myrtillus® Organic Bilberry extracts
Feno-Sambucus™ Organic Elderberry extracts
Feno-Cerasus™ Organic Tart cherry extracts
Feno-Vitis® Organic Lingonberry extracts
AstaFit® Astaxanthin
PhytoPumpkin™ Pumpkin seed extract
BerryShield™ Berry juice concentrate powders
Organic plant protein powders
Organic grass powders

BREKO

Wines & Natural Ingredients since 1977

exGrape™ Grape extracts

- » Produced by GrapSud, a company processing grapes, olives and wines into ingredients for over 50 years.
- » Sustainable production of upcycled ingredients: All by-products are processed and used in various areas (circular economy). Process water is treated in wastewater treatment plants and then used for vine irrigation. Local sourcing with short transport routes with a low CO2 footprint. Full transparency of each production step from harvest to finished extract.
- » exGrape™ SEED extracts produced from French & European grape seeds AND extracted in France.
- » exGrape™ TOTAL extracts produced from red grape pomace (skin & seed) from South French wineries.
- » exGrape™ ANTHOCYANINS extracts produced from red grape skin from South French wineries.
- » Improved analysis by using the Dimer Procyanidin B2 as standard for the quantification of oligomer procyanidins.
- » exGrape™ SEED OPCFR available as agglomerated powder (G) characterised by improved product handling (free flowing, reduced dust in production) and increased solubility.
- » Grapes coming from a defined wine growing region guarantee exclusivity:
 - › exGrape™ OPCC from Champagne region (North of France).
 - › On contract basis we can offer our premium grape seed extracts exclusively from Loire, Alsace or Occitanie.
 - › exGrape™ OPCFRW and the organic grade exGrape™ OPCORG are produced using only water extraction with no use of ethanol throughout the production process.

844F	exGrape™ TOTAL R2500 red grape extract	≥ 95 % PP, ≥ 30 % OPC, ≥ 2 % ANTH; ≥ 2500 ppm tR Halal certified by HFCE
842F	exGrape™ TOTAL red grape extract	≥ 95 % PP, ≥ 30 % OPC, ≥ 2 % ANTH; ≥ 100 ppm tR Halal certified by HFCE
843G	exGrape™ ANTHOCYANINS red grape extract	≥ 70 % PP, ≥ 5 % OPC, ≥ 8 % ANTH Halal certified by HFCE
849FRPF	exGrape™ SEED OPCFRP grape seed extract	≥ 95 % PP, ≥ 80 % PP (Folin), ≥ 50 % OPC, ≥ 4 % Monomers, ≥ 4 % Dimers Halal certified by HFCE; Seeds from France
849FRF/849FRG	exGrape™ SEED OPCFR grape seed extract	≥ 95 % PP, ≥ 80 % PP (Folin) ≥ 50 % OPC 849FRF: Halal certified by HFCE; Seeds from France
849CF	exGrape™ SEED OPCC grape seed extract	≥ 95 % PP, ≥ 80 % PP (Folin) ≥ 50 % OPC 849FRF: Halal certified by HFCE; Seeds from Champagne region.
847FRF	exGrape™ SEED OPC grape seed extract	≥ 95 % PP, ≥ 80 % PP (Folin), ≥ 40 % OPC Halal certified by HFCE; Seeds from France
837ORG	exGrape™ SEED OPCORG Organic Grape seed extract	≥ 95 % PP, ≥ 80 % PP (Folin), ≥ 40 % OPC Halal certified by HFCE, Organic certified ; Seeds from Europe
837FRWF	exGrape™ SEED OPCFRW grape seed extract	≥ 50 % PP, ≥ 30 % OPC Halal certified by HFCE; Seeds from France

Abbreviations used for the stated minimum concentrations: PP: total polyphenols (UV 280 nm or Folin), ANTH: anthocyanins, OPC: oligomeric proanthocyanidins, tR: trans-resveratrol; Organic code number: DE-ÖKO-003

Health benefits	exGrape™ SEED	Anti-Ageing, cardiovascular health, performance & recovery (sport nutrition), weight management, skin health
	exGrape™ TOTAL	Cognitive health, cardiovascular health, digestive health, performance & recovery (sport nutrition), weight management
	exGrape™ ANTHOCYANINS	Eye health, cognitive health, cardiovascular health, performance & recovery (sport nutrition)

Olivex™ & OleoGrape™ Grape and olive extracts

- » Produced by GrapSud, a company processing grapes, olives and wines into ingredients for over 50 years.
- » **Sustainable production of upcycled ingredients:** Immediately after the harvest the olives are pressed in traditional oil mills. Olive water, separated from the oil, is rich in polyphenols which are purified to the final extract. Full transparency of each production step from harvest to finished extract.
- » **Olivex™** extracted from the edible fruit pulp of French olives standardised on tyrosol and hydroxytyrosol.
- » **OleoGrape™ SEED** a patented extract from olives and grape seeds standardised on OPC and hydroxytyrosol without carrier.

860FP	Olivex™ Olive extract	≥ 25 % PP, ≥ 6 % HT, ≥ 1 % T
861F	OleoGrape™ SEED Grape seed and olive extract	≥ 95 % PP, ≥ 30 % OPC, ≥ 6 % HT Halal certified by HFCE

Abbreviations used for the minimum stated concentrations: PP: total polyphenols (UV 280 nm), OPC: oligomeric proanthocyanidins, HT: hydroxytyrosol, T: tyrosol

Health benefits	Olivex™	Cardiovascular health (protect the LDL particles from oxidative damage), skin health
	OleoGrape™ SEED	Anti-Ageing, joint health (anti-inflammatory effects), published human study available

VinoFit+™ Red wine polyphenols & Resveratrol

- » **VinoFit+™** is a Breko brand representing our wine history which reaches back to 1831.
- » Alcohol-free powder formulation containing all wine polyphenols in high concentration: Stilbens (resveratrol), phenolic acids and flavonoids.
- » **VinoFit+™** is a blend of red wine extract, red wine marc extract and resveratrol from biofermentative production.

842R	VinoFit+™ Red wine Polyphenols & Resveratrol	Red wine marc extract & Resveratrol from fermentation - without carrier
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Health benefits	VinoFit+™	Cardiovascular health, cognitive function, bone health, insulin resistance and gut health.
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Veri-te™ Resveratrol

- » Produced by Evolva Switzerland using an innovative yeast fermentation process.
- » Veri-te™ Resveratrol is pure and highly concentrated with > 98 % trans-resveratrol, free of contaminants (e.g. pesticides, emodin & PAHs), consistent from batch to batch and versatile, due to off-white colour, odourless and neutral taste.
- » EFSA approved Novel Food up to 500 mg/day.
- » More than 12,000 published studies and over 170 human clinical trials makes resveratrol the most well-investigated compound applied in dietary supplements, functional food and beverages, cosmetics.

998	Veri-te™ Resveratrol	≥ 98 % trans-Resveratrol
998COS	Juneo™ Resveratrol	≥ 99 % trans-Resveratrol, for topical application
998AQUA	Veri-te™ Aqua Resveratrol	≥ 7 % micellised trans-Resveratrol

- RESHAW Study**
- » RESHAW (Resveratrol Supporting Healthy Ageing in Women) was a 24-month randomized, double-blind, placebo-controlled, two-period crossover study.
 - » Veri-te™ resveratrol (75 mg twice daily) to evaluate the effects on cognition, cerebrovascular function, bone health, cardiometabolic markers, and well-being in post-menopausal women.
 - » Results: Improved cerebrovascular function, overall cognitive performance and bone mineral density in the femoral neck. The increase in bone mineral density in the femoral neck resulted in an improvement in T-Score and a reduction in the 10-year probability of major and hip fracture risk.
 - » Synergistically effects with calcium plus vitamin D supplementation to further reduce the risk of fractures are suggested.

Health benefits	Bone Health	<ul style="list-style-type: none"> • Supports bone mineralization and formation • Complements other bone supporting supplements (such as Vitamin D)
	Cognitive Function	<ul style="list-style-type: none"> • Improves mood, well-being and pain perception • Enhances ability to maintain memory, alertness and concentration
	Cardiovascular Health	<ul style="list-style-type: none"> • Supports blood circulation and healthy blood pressure • Improves vascular system and maintains healthy cholesterol and lipid levels
	Oral Health	<ul style="list-style-type: none"> • Promotes gum and oral health due to anti-inflammation properties • Prevents chronic bad breath based on selective anti-bacterial activity
	Skin Health	<ul style="list-style-type: none"> • Protects skin from oxidative stress and inflammation • Improves skin elasticity and hydration, reduces the appearance of age spots and wrinkles
	Healthy Gut Microbiota	<ul style="list-style-type: none"> • Preserves healthy gut bacteria with selective anti-bacterial activity • Helps soothe inflammation of the intestine
	Eye Health	<ul style="list-style-type: none"> • Promotes normal blood flow and oxygen delivery • Helps protect retinal cells from the aging processes and environmental stressors
	Blood Glucose Support	<ul style="list-style-type: none"> • Triggers cellular blood glucose (energy) uptake • Supports healthy fasting and post-meal blood glucose level

Fenoprolis® Organic Pine bark extracts

- » Fenoprolis® is a standardised OPC extract from wild-harvested Arctic organic pine bark (*Pinus Sylvestris*) produced by EEVIA in Finland.
- » Lowest Product Carbon Footprint (PCF) and extremely short supply chain with high potency raw material from the Arctic forests of Finland, the cleanest in the world. EEVIA arranges own debarking for highest purity.
- » High concentration and spectrum of oligomeric proanthocyanidins (OPCs) with monomeric catechin, lignans, phenolic acids, stilbenes, flavanonols and tannins.
- » Organically certified according to NOP, Euroleaf, Ecocert, and other standards. Non organic available on request.
- » Recommended daily dose: 100 - 200 mg.

20736	Fenoprolis® 70 Organic pine bark extract	Organic Pine bark extract powder 70 ± 5 % OPC
20735	Fenoprolis® 50 Organic pine bark extract	Organic Pine bark extract powder ≥ 50 % OPC
20733	Fenoprolis® M Organic pine bark extract	Microencapsulated organic pine bark extract powder ≥ 25 % OPC (50% carrier, by default organic maltodextrin)
20795	Fenoprolis® Full spectrum Organic pine bark extract	Organic Pine bark extract powder full spectrum with 25 % +/-10 % OPC

Organic code number: DE-ÖKO-003

Health benefits **Fenoprolis®**

Anti-oxidative effects, joint health (anti-inflammatory effects, reduction of pain perception), inhibits low density (LDL) lipoprotein oxidation.

Feno-Chaga® Organic Chaga extract powder

- » Feno-Chaga® is a high quality extract from wild chaga (*Inonotus obliquus*) with significantly higher bioactivity compared to mycelium on grain chaga (MOG Chaga which is chaga grown inhouse on grain).
- » Harvested sustainably from wild birch trees in Finland, leaving part of the fungus in the tree for regrowth, with the lowest carbon footprint and shortest value chain.
- » High concentration of polysaccharides, beta-glucans, and polyphenols. Also contains Betulin.
- » Organically certified according to NOP, Euroleaf, Ecocert, and other standards. Non organic available on request.
- » Recommended daily dose: 400 - 1000 mg.

20729	Feno-Chaga® Organic chaga extract	Standardized organic chaga extract powder without carrier 100 % soluble
20738	Feno-Chaga® M Organic chaga extract	Microencapsulated organic chaga extract powder (50 % carrier, by default organic maltodextrin)

Organic code number: DE-ÖKO-003

Health benefits **Feno-Chaga®**

Anti-oxidative effect, Immunomodulating effect, reduced respiratory tract infection and cortisol levels and enhanced mood (EEVIA study), anti-fatigue activity and induction of cellular recycling (autophagy)

Feno-Myrtillus® Organic Bilberry extracts

- » Feno-Myrtillus® is a standardised anthocyanin extract from wild-harvested Arctic bilberries (*Vaccinium myrtillus*) with up to 36 % anthocyanins by HPLC (US Pharm./Eur. Pharm.) produced by EEVIA in Finland.
- » Sustainable green chemistry manufacturing with the shortest supply chain in the market and extremely low product carbon footprint (PCF) due to proximity to harvesting areas.
- » Wild-harvested highly bioactive berries from the pristine forests of Finland and Sweden under environmentally sound and socially responsible practices.
- » Organically certified according to NOP, Euroleaf, Ecocert, and other standards. Non organic available on request.
- » Recommended daily dose: 250 - 500 mg.

20370	Feno-Myrtillus® 36 Organic bilberry extract	Organic bilberry anthocyanin extract powder ≥ 36 % anthocyanins
20765	Feno-Myrtillus® 25 Organic bilberry extract	Organic bilberry anthocyanin extract powder ≥ 25 % anthocyanins
20331	Feno-Myrtillus® 5 Organic bilberry extract	Organic bilberry anthocyanin extract powder ≥ 5 % anthocyanins

Organic code number: DE-ÖKO-003

Health benefits **Feno-Myrtillus®** Eye health: Improvement of contrast sensitivity & reduction of free radical damage, induction of cellular recycling (autophagy), cardio vascular health

Feno-Sambucus™ Organic Elderberry extracts

- » Feno-Sambucus™ is a high-quality elderberry extract from European elderberries (*Sambucus Nigra L.*) produced by EEVIA Finland.
- » Unique solvent extraction and resin purification green chemistry methods ensures highest bioactive profile in the market, including content of anthocyanins, oligomeric proanthocyanidins and other polyphenols.
- » Low Product Carbon Footprint (PCF).
- » Organically certified according to NOP, Euroleaf, Ecocert, and other standards. Non organic available on request.
- » Recommended daily dose: 600 - 1500 mg of extract.

20434	Feno-Sambucus™ 30 Organic elderberry extract	Chromatographically purified spray-dried organic elderberry extract powder 30% anthocyanins
20430	Feno-Sambucus™ 17 Organic elderberry extract	Organic elderberry extract powder 17 % anthocyanins
20432	Feno-Sambucus™ 7 Organic elderberry extract	Organic elderberry extract powder ≥ 7 % anthocyanins

Organic code number: DE-ÖKO-003

Health benefits **Feno-Sambucus™** Immunomodulating effects, including effective prevention of flu symptoms, cough and colds and viruses, neuroprotective activity, cardiovascular & metabolic health

Feno-Cerasus™ Organic Tart cherry extracts

- » Feno-Cerasus™ is the highest concentrated extract from European tart cherry (*Prunus cerasus*) on the market, with over 50 % polyphenols and over 5 % anthocyanins (typically 7 - 8 %) manufactured by EEVIA Finland.
- » Superior extraction and purification technology provides the most nutrient dense bioactive profile with a broad spectrum of polyphenolic compounds.
- » Low Product Carbon Footprint (PCF).
- » Organically certified with NOP, Euroleaf, Ecocert, and other standards. Non organic available on request.
- » Recommended daily dose: 500 - 1000 mg.

20607	Feno-Cerasus™ 50 Organic tart cherry extract	Chromatographically purified tart cherry extract powder, ≥ 50 % of polyphenols
20606	Feno-Cerasus™ 25 Organic tart cherry extract	Chromatographically purified tart cherry extract powder, ≥ 25 % of polyphenols
20605	Feno-Cerasus™ 5 Organic tart cherry extract	Spray dried tart cherry juice powder
Health benefits	Feno-Cerasus™	Improvement of cognition, memory and sleep quality, reduction of stress & cortisol level, improvement of muscle recovery, metabolic and cardiovascular health

Feno-Vitis® Organic Lingonberry extracts

- » Feno-Vitis® is a high quality lingonberry extract from wild-harvested Arctic lingonberries (*Vaccinium Vitis-Idaea*) produced by EEVIA Finland.
- » Arctic wild-harvested berries contain six A-type proanthocyanidins (PAC) compared to cranberry extract with only four A-type proanthocyanidins.
- » Low Product Carbon Footprint (PCF).
- » Organically certified with NOP, Euroleaf, Ecocert, and other standards. Non organic available on request.
- » Recommended daily dose: 200 - 400 mg.

20230	Feno-Vitis® 50 Organic lingonberry extract	Chromatographically purified spray-dried organic lingonberry extract powder standardized to ≥ 50 % polyphenol content (PACs)
20346	Feno-Vitis® 25 Organic lingonberry extract	Chromatographically purified spray-dried organic lingonberry extract powder standardized to ≥ 25 % polyphenol content (PACs)
20345	Feno-Vitis® 5 Organic lingonberry extract	Organic lingonberry extract powder ≥ 5 % polyphenol content (PACs)
Health benefits	Feno-Vitis®	Anti-inflammatory & anti-microbial effect, prevention of urinary tract infections, improvement of cardiometabolic markers and cognitive performance

AstaFit® Astaxanthin

- » AstaFit® is a 100 % natural astaxanthin ingredient produced by BDI Biolife Science GmbH in Austria.
- » AstaFit® CWD is made by encapsulating oleoresin from astaxanthin-rich microalga *Haematococcus pluvialis* with modified starch. The water-soluble micro-beadlets can be applied in hard capsules, shots, instant and energy drinks
- » The NovaSOL® technology speeds up the absorption of astaxanthin proven by a human study.

981CWD25	AstaFit® CWD 25 Astaxanthin	Water-soluble micro-beadlets with minimum 2,5 % astaxanthin
981CWD50	AstaFit® CWD 50 Astaxanthin	Water-soluble micro-beadlets with minimum 5 % astaxanthin
981NOVA	NovaSOL® Astaxanthin	500 mg NovaSOL® Astaxanthin contains 4 mg micellised astaxanthin
982OL50	AstaFit® OL50 Oleoresin 5 %	Astaxanthin-rich oleoresin with at least 5 % astaxanthin, extracted from crushed biomass of the green microalga <i>Haematococcus pluvialis</i> .
982OL100	AstaFit® OL100 Oleoresin 10 %	Astaxanthin-rich oleoresin with at least 10 % astaxanthin, extracted from crushed biomass of the green microalgae <i>Haematococcus pluvialis</i> .
Health benefits	AstaFit®	Central nervous system disorders, muscle endurance & recovery, skin health, joint health, cardiovascular health, immune system, eye health

PhytoPumpkin™ Pumpkin seed extract

- » PhytoPumpkin™ is a water-ethanolic extract from organic pumpkin seeds.
- » Only seeds of the medicinal pumpkin variety *Cucurbita pepo* are used, which are grown in Styria (Austria). The Styrian seeds are rich in phytosterols, lignans, adenosine and arginine.

892	PhytoPumpkin™ Pumpkin seed extract	1 kg extract is equal to 17 - 23 kg pumpkin seeds
Health benefits	AstaFit®	Traditionally for prostate complaints (enlargement of the prostate) and bladder complaints (irritable bladder, bladder weakness). Reducing the frequency of incontinence and night-time urination in men and women.

BerryShield™ Berry extract & berry juice concentrate powders

- » This berry ingredient range is produced by Asiros in Denmark. The berries are cultivated exclusively by contract farmers in Europe (Tart Cherry exclusively in Denmark).
- » BerryShield™ powders are characterised by their natural berry taste and intensive colour.
- » The BerryShield™ matrix technology protects the ingredients from oxidation and increases the pH and colour stability in the berry powders, also during end-use applications.

870ST	BerryShield™ Tart cherry juice concentrate powder	1 kg powder equal to 7 kg of fresh tart cherries
871ST	BerryShield™ Blackcurrant juice concentrate powder	1 kg powder equal to 7 kg of fresh blackcurrants
872ST	BerryShield™ Redcurrant juice concentrate powder	1 kg powder equal to 7 kg of fresh redcurrants
873ST	BerryShield™ Elderberry juice concentrate powder	1 kg powder equal to 10 kg of fresh elderberries
876ST	BerryShield™ Bilberry juice concentrate powder	1 kg powder equal to 10 kg of fresh bilberries
877ST	BerryShield™ Aronia juice concentrate powder	1 kg powder equal to 7 kg of fresh aronia berries

Organic code number: DE-ÖKO-003

Organic grass powders

- » The selected grasses come from organic farming and are grown and produced exclusively in the EU.
- » Blends tailored to customer needs can also be produced in combination with other Breko ingredients.
- » Grass powders offer a complex composition of proteins, carbohydrates, fibre, vitamins, minerals and secondary plant substances and can thus contribute to a healthy diet.

770	Organic barley grass powder
771	Organic wheat grass powder

Organic code number: DE-ÖKO-003

Organic plant protein powders

- » These organic protein powders are produced exclusively from European raw materials from organic farming.
- » The oils are removed and the remaining raw material carefully milled without additional thermal treatment.
- » These protein powders can be used as health ingredient for functional foods, such as cereal bars, smoothies, baked goods, snacks or as an individual packaged raw material.
- » Blends tailored to customer needs can also be produced in combination with other Breko ingredients.

760	Organic Toasted Pumpkin Seed Protein Powder	> 57 % proteins, approx. 12 % fibre
761	Organic Pumpkin Seed Protein Powder	> 62 % proteins, approx. 10 % fibre
762	Organic Sunflower Seed Protein Powder	> 50 % proteins, approx. 23 % fibre
764	Organic Flax Seed Protein Powder	> 32 % proteins, approx. 39 % fibre

The brands

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