

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™ Resveratrol
VinoFit+™ Red wine polyphenols & Resveratrol
AstaFit® Astaxanthin
TRUEBERRY™ Berry extracts
BerryShield™ Berry extract powders
BerryShield™ Berry juice concentrate powders
MitoActive™ Red- and blackcurrant juice concentrate
MitoBeauty™ Red- and blackcurrant juice concentrate
PhytoPumpkin™ Pumpkin seed extract
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 consistent product quality & exclusivity:
 - › exGrape™ OPCCP 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 is only water extracted without any use of ethanol in the entire production process.

844F	exGrape™ TOTAL R2500 red grape extract	≥ 95 % PP, ≥ 30 % OPC, ≥ 2 % ANTH; ≥ 2500 ppm tR Halal certified by HFCE
842F/842G	exGrape™ TOTAL red grape extract	≥ 95 % PP, ≥ 30 % OPC, ≥ 2 % ANTH; ≥ 100 ppm tR 842F: Halal certified by HFCE
843G	exGrape™ ANTHOCYANINS red grape extract	≥ 70 % PP, ≥ 5 % OPC, ≥ 8 % ANTH Halal certified by HFCE
840P	exGrape™ ANTHOCYANINS P red grape extract	≥ 40 % PP, ≥ 5 % OPC, ≥ 2 % ANTH Halal certified by HFCE
840S	exGrape™ ANTHOCYANINS S red grape extract	≥ 25 % PP, ≥ 3 % OPC, ≥ 1,5 % ANTH Halal certified by HFCE
848CPF	exGrape™ SEED OPCCP grape seed extract	≥ 95 % PP, ≥ 80 % PP (Folin), ≥ 50 % OPC, ≥ 4 % Monomers, ≥ 4 % Dimers Halal certified by HFCE; Seeds from Champagne region
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
847FRF	exGrape™ SEED OPC grape seed extract	≥ 95 % PP, ≥ 80 % PP (Folin), ≥ 40 % OPC Halal certified by HFCE; Seeds from France
837FRWF	exGrape™ SEED OPCFRW grape seed extract	≥ 70 % PP, ≥ 55 % PP (Folin), ≥ 30 % OPC Halal certified by HFCE; Seeds from France
846P	exGrape™ SEED P grape seed extract	≥ 85 % PP Halal certified by HFCE; Seeds from Europe
846S	exGrape™ SEED S grape seed extract	≥ 70 % PP Halal certified by HFCE; Seeds from Europe

Abbreviations used for the stated minimum concentrations: PP: total polyphenols (UV 280 nm or Folin), PRO: proanthocyanidins, ANTH: anthocyanins, OPC: oligomeric proanthocyanidins, tR: trans-resveratrol

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)

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
998WD	Veri-Sperse™ Resveratrol	> 90 % trans-Resveratrol, water-dispersable 0,5 g in 250 ml
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

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.

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

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
Health benefits	AstaFit®	Central nervous system disorders, muscle endurance & recovery, skin health, joint health, cardiovascular health, immune system, eye health

TRUEBERRY™ Berry extracts

- » This berry extract range is produced by Ferlux in France, a company with a history of over 50 years in the field of extraction.
- » The products are characterized by the use of high quality fruit, transparency from cultivation to extraction as well as high purity and standardisation.
- » These extracts are standardised to high anthocyanin contents of up to 36 %. In addition, the respective anthocyanin profile is qualified via LC-MS and quantified by UHPLC.
- » Upon customer request, further berry extracts can be produced or further standardisations can be realized.

750F17	MELACYAN 17 Aronia extract	Aronia extract (<i>Aronia melanocarpa</i>), maltodextrin > 17 % Anthocyanins (HPLC)
751F18	EXTRACYAN 18 Ferm. Wild Bilberry extract	100 % Fermented Wild Bilberry Extract > 18 % Catocyanic Complex
751F30	EXTRACYAN 30 Ferm. Wild Bilberry extract	Fermented Wild Bilberry Extract, maltodextrin > 3 % Polyphenols (UV)
752F10	OROCYAN 10 Cranberry extract	100 % Cranberry Extract > 20 % Proanthocyanidin (HPLC), 10 % UV-BL DMAC
753F25	ANTHOCYAN 25 Wild Bilberry extract	Extract from European Wild Bilberry (<i>Vaccinium myrtillus</i>), maltodextrin ≥ 25 % Anthocyanins (HPLC), DER: 80:1 +/- 20 %
755F14	PROTECCYAN 14 Elderberry extract	Extract from Elderberry fruit (<i>Sambucus nigra</i>), maltodextrin ≥ 14 % Anthocyanins (HPLC)

Health benefits	MELACYAN	Cardioprotective health, anti-diabetic activity, blood pressure regulation
	EXTRACYAN	Cardiovascular health, cognition, visual health (increases accommodation and contrast sensitivity)
	OROCYAN	Microbial and viral anti-adhesive property - prevents microbial and viral infectivity, protection against diet induced obesity
	ANTHOCYAN	Vascular protection, improved blood circulation, improved eye health
	PROTECTCYAN	Supports immune system, improved recovery from cold and flu

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
870P	BerryShield™ Tart cherry juice concentrate powder, Premium	1 kg powder equal to 10 kg of fresh tart cherries
870PORG	Organic BerryShield™ Tart cherry juice concentrate powder, Premium	1 kg powder equal to 10 kg of fresh tart cherries

Organic code number: DE-ÖKO-003

870E10	BerryShield™ Tart cherry extract 10 %	1 kg powder equal to 70 kg of fresh tart cherries > 10 % PP
870E35	BerryShield™ Tart cherry extract 35 %	1 kg powder equal to 250 kg of fresh tart cherries > 35 % PP
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
873P	BerryShield™ Elderberry juice concentrate powder, Premium	1 kg powder equal to 16 kg of fresh elderberries
875ST	BerryShield™ Strawberry juice concentrate powder	1 kg powder equal to 11 kg of fresh strawberries
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

Abbreviations used for the stated concentrations: PP: total polyphenols (Folin)

Health benefits	BerryShield™ Tart cherry	Improved sleep cycle, relaxation, anti-inflammatory activity, soothes muscle and joint soreness
	BerryShield™ Blackcurrant	Improved skin regeneration, antiviral activity, increases blood flow and circulation, improves eye function, reduces fatigue
	BerryShield™ Redcurrant	Mitochondrial boosting for increased energy production, improved athletic and mental performance and healthy ageing
	BerryShield™ Elderberry	Supports immune system, improved recovery from cold and flu
	BerryShield™ Bilberry	Vascular protection, improved blood circulation, improved eye health
	BerryShield™ Aronia	Cardioprotective health, anti-diabetic activity, blood pressure regulation

MitoActive™ & MitoBeauty™ Red- and blackcurrant juice concentrate

- » MitoActive™ and MitoBeauty™ are produced by Asiros, Denmark.
- » Ribetril™A, the patented active molecule in MitoActive™, is a unique bioactive polyphenol alkaloid that only occurs in selected varieties of black and red currants.
- » MitoActive™ for skin beauty is positioned as MitoBeauty™

874AD	MitoActive™ Red- and Blackcurrant juice concentrate	Red- and blackcurrant juice concentrate with or without Mg
874BD	MitoBeauty™ Red- and Blackcurrant juice concentrate	Red- and blackcurrant juice concentrate with or without Biotin

Health benefits	MitoActive™	Improves mitochondrial biogenesis and function. Induces vascular smooth muscle relaxation. Improves tissue regeneration.
	MitoBeauty™	Anti-wrinkle and smoothing effect already after 6 weeks. Increased microcirculation in the skin and a significant moisturizing effect.

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

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

Organic code number: DE-ÖKO-003

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NovaSOL is a trademark of AquaNova AG

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TRUEBERRY is a trademark of Ferlux S.A.S.

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For organic products:
 DE-ÖKO-003

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