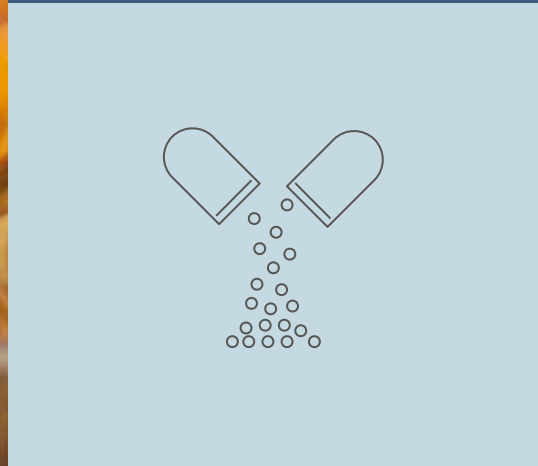




Biesterfeld

Competence in Solutions



Plant Extracts
Vitamins
Amino Acids and Derivatives
Proteins
Minerals
Vital substances
Fibre
Flavourings
Excipients

Product Catalogue for Nutraceuticals

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Plant Extracts

Natural, vegetarian/vegan & non-GMO extracts – Suitable for soft and hard gel capsules, tablets, and as colourings

Trade name	Description	Manufacturer
Lute-gen®	Lutein from Tagetes erecta, as free or ester form Available as oil, powder, beadlets, CWD powder & DC grade	Bio-gen Extracts
Zea-gen®	Zeaxanthin from Tagetes erecta Available as oil & powder	Bio-gen Extracts
Beta Caro-gen®	Natural beta-carotene from Blakeslea trispora Available as oil, powder & beadlets	Bio-gen Extracts
Ultra Caro-gen®	Blend of natural carotenoids Available as oil & powder	Bio-gen Extracts
Ultra-gen Omega®	Omega-3/-6/-9, vegan Available as oil & powder	Bio-gen Extracts
TruBeet®	Standardised red beet extract, 6% nitrates	Bio-gen Extracts
MCT powder	Medium-chain triglycerides (coconut) High proportion of C8, suitable for keto diets	Bio-gen Extracts
FenuLean®	Fenugreek protein & fibre Available as powder & flakes	Bio-gen Extracts
Lycopene	Lycopene from Blakeslea trispora Available as oil & CWD powder	Bio-gen Extracts
Garlixir®	Standardised garlic extract (lipid extract)	Bio-gen Extracts
Astaxanthin	Astaxanthin from Haematococcus pluvialis Available as oil & powder	Bio-gen Extracts
Ginger extract	Standardised ginger root extract Available as powder, beadlets & oleoresin	Bio-gen Extracts
Bacopa	Bacopa monnieri extract 40% bacosides, UP	Bio-gen Extracts
ThymoPure™	Nigella sativa extract, standardised for thymoquinone	Bio-gen Extracts
Green tea extract	Camellia sinensis Available as powder	Jiaherb
Hops extract	Humulus lupulus Available as powder	Jiaherb
Lavender extract	Lavandula angustifolia Available as powder	Jiaherb
Lemon balm extract	Melissa officinalis Available as powder	Jiaherb
CaroRite™	Discover the ultimate synergy of the all-essential carotenoids	Bio-gen Extracts

Other extracts are available on request. Simply contact our team.

Vitamins

Trade name	Description	Manufacturer / Origin
Vitamin blends	The product range and consulting service comprise: Vitamins Minerals Trace elements & amino acids	Miavit
Vitamin C	Ascorbic acid	China
Vitamin B1 HCl	Thiamine hydrochloride	China
Vitamin B1 mononitrate	Thiamine nitrate	China
Vitamin B2	Riboflavin	China
Vitamin B3	Nicotinamide	China
Vitamin B5	Calcium pantothenate	China
Vitamin B6 HCl	Pyridoxine hydrochloride	China
Vitamin B12	Cobalamin	China
Vitamin H	Biotin	China
Vitamin E	Tocopherol	China

Amino Acids and Derivatives

Trade name	Description	Origin
Glycine	Proteinogenic α -amino acid, aminoethanoic acid	China
Beta-alanine	Biogenic amine of the proteinogenic amino acid asparagine acid	China
BCAA	Branched-chain amino acids (isoleucine, leucine and valine)	China
L-arginine base / HCl	Proteinogenic semi-essential α -amino acid	Korea
L-arginine alpha ketoglutarate	Development of the semi-essential amino acid L-arginine	China
L-carnitine L-tartrate	Supports metabolism	China
Acetyl-L-carnitine HCl	Enables the formation of acetylcholine	China
L-citrulline DL malate	Non-essential amino acid, supports energy performance in muscles	China
L-cysteine HCl	Proteinogenic α -amino acid	China
N-acetyl-L-cysteine	Synthetically manufactured chemical compound	China
L-glutamine	Proteinogenic α -amino acid	China
L-glutathione (reduced)	Formed from glutamic acid, cysteine and glycine	China
L-isoleucine	Proteinogenic α -amino acid	China

Trade name	Description	Origin
L-leucine	Proteinogenic α -amino acid	China
L-lysine HCl	Proteinogenic α -amino acid	China
L-valine	Proteinogenic α -amino acid	China
L-methionine	Proteinogenic α -amino acid	China
L-phenylalanine	Proteinogenic α -amino acid	China
L-threonine	Proteinogenic α -amino acid	China
L-tryptophan	Proteinogenic α -amino acid	China
L-tyrosine	Proteinogenic α -amino acid	China
N-acetyl-L-tyrosine	Acetylated form of L-tyrosine	China
Creatine monohydrate / HCl	For muscle development, derived from the amino acids glycine, arginine and methionine	China
EAA	Essential amino acids	China

Proteins

Milk Proteins

Trade name	Description	Manufacturer
PRODIET® Range	Micellar casein (min. 92%) <ul style="list-style-type: none"> • High nutritional value • Very rich in native micellar calcium • Rich in BCAA (especially leucine) 	Ingredia Nutritional
PRODIET® HYDROLYSATE	Milk protein hydrolysate (MPH) Made from native whey or micellar casein	Ingredia Nutritional
PROMILK®	Milk protein isolate (MPI) is 100% total milk protein (TMP) 80% micellar casein/20% soluble proteins High nutritional value and rich in native calcium	Ingredia Nutritional

Soya Proteins

Extracted solely from non-GMO soya beans, high biological value

Trade name	Description	Origin
CSP soya protein concentrate	Soya protein with at least 70% protein content	China
ISP soya protein isolate	Soya protein with at least 90 % protein content	China

Pea Protein

Extracted solely from non-GMO yellow peas from Canada, neutral-tasting, high biological value

Trade name	Description	Manufacturer
Pea protein	Pea protein with at least 80% protein content	Yantai Shuangta

Minerals

Trade name	Description	Manufacturer
Galaxium™	Calcium lactate beads, Excel = powder/ Pearls = dust-free beads	Galactic
Calcium glycerophosphate	Mineral salt	Sri Vyjayanthi
Magnesium glycerophosphate	Mineral salt	Sri Vyjayanthi

Vital substances

Trade name	Description	Manufacturer
Hyaluronic acid/HyaRius	Sodium hyaluronate, hyaluronic acid	Xinjiang Fufeng/ Weikem Chemical
Caffeine anhydrous	Caffeine, anhydrous, BP/USP	Shandong Xinhua/ CSPC
Inositol	Sugar alcohol	Zhucheng Haotian
Methyl sulfonyl methane (MSM)	Organic sulphur compound, source of sulphur	Tianjin Baofeng
D-glucosamine sulfate KCl	Amino sugar	Zhejiang Aoxing Biotechnology
Chondroitin sulfate	Glucosaminoglycan	Summit Nutritionals
Coenzyme Q10	Anti-oxidant	Kingdomway

Fibre

Trade name	Description	Manufacturer
Actilight®	Prebiotic soluble fibre based on sugar beet, containing short-chain fructo-oligosaccharides (scFOS)	Beghin Meiji

Flavourings

Vanillin

Borregaard is the only manufacturer of vanillin from wood ('ex lignin'). This is more sustainable than vanillin and ethylvanillin products based on petrochemical substances ('ex guaiacol'). Vanillin from wood has a more subtle, natural note.

Trade name	Description	Manufacturer
Euro Vanillin Supreme	Sustainable pure vanillin ex lignin with 20% higher intensity than vanillin ex guaiacol	Borregaard
Euro Vanillin Regular	Pure vanillin ex guaiacol	Borregaard
Euro Vanillin Plus 1200	Blend of vanillin ex lignin and ethylvanillin with 20% higher intensity than vanillin ex guaiacol	Borregaard
Euro Vanillin Aromatic	Pure ethylvanillin made from guethol with 170 % higher intensity than vanillin ex guaiacol	Borregaard
Euro Vanillin Expert	Vanillin ex lignin, specifically optimised for applications in chocolate, dairy products, confectionery	Borregaard
Euro Vanillin Gran 3	Natural vanillin flavour	Borregaard
Euro Vanillin Plus SB18	Cost-effective lignin-based vanillin with ethylvanillin with same intensity as Regular	Borregaard

Flavourings

A range of customised flavourings and colourings

Trade name	Description	Manufacturer
Natural flavourings	Analogous to EC Regulation No. 1334/2008 <ul style="list-style-type: none"> • Natural X flavouring (X > 95 %) • Natural X flavouring with other natural flavourings (X > 50 %) • Natural flavouring 	Buteressence
Flavourings	Formerly known as nature-identical flavourings	Buteressence
Menthol	Flavouring	Anhui Yinfeng

Excipients

Excipients for solid formats, direct compression, wet and dry granulation, capsules and powders / liquid formats, syrups, solutions, suspensions / medicated confectionery, chewing gum

Hydrocolloids

Trade name	Description	Manufacturer
GENUGEL® / GENUVISCO®	Carrageenan – gelling and texturising agent, stabiliser	CP Kelco
GENUTINE®	Carrageenan – alternative to gelatine, e.g. for fruit gums and chews	CP Kelco
KELCOGEL®	Gellan gum – gelling and texturising agent, stabiliser, film-forming agent	CP Kelco
KELTROL®	Xanthan – thickening and texturising agent, stabiliser	CP Kelco
CEKOL®	Carboxymethyl cellulose (CMC) – cold-soluble and transparent thickener available in different viscosities, stabiliser	CP Kelco
GENU® Pectin	Citrus pectin – gelling agent, stabiliser, water-binding, available in different viscosities	CP Kelco
NUTRAVA™	Patented high-functional citrus fibre, made from intact citrus peels, clean label stabiliser, pectin alternative	CP Kelco
SIMPLESSE® 100	Microparticulated whey protein concentrate (53% protein) with pH, heat and shear stability	CP Kelco
TABULOSE SC®	Colloidal MCC (gel-forming) for the stabilisation of emulsions and suspensions	Roquette
MCC Accel	Microcrystalline cellulose	Accent
Reta M®	Lactose-free, co-processed excipient of 50% mannitol and 50% hypromellose, for direct compression of modified-release tablets	Meggle
DuoLux FD	Pullulan – coating, gelling and thickening agent	Weikem Chemical
PVP (Povidone)	Binder, thickener, stabiliser	Boai NKY

Starch and Derivatives

Trade name	Description	Manufacturer
Potato starch	Various potato starches	Avebe
Meritena	Corn/wheat starch	Tereos
Paselli MD	Maltodextrin, potato-based	Avebe
Avebe MD	Maltodextrin, potato-/wheat-based	Avebe
Avebe SPG	Dried glucose syrup, potato-, wheat- or corn-based	Avebe
Maldex	Maltodextrin (various DE values), corn-based	Tereos
Meritose	Dextrose, corn- or wheat-based	Tereos
Glucodry	Glucose syrup in powder form (various DE values), corn-based	Tereos

Sucrose

Trade name	Description	Manufacturer
Compressuc®	Spray-dried sucrose (USP/NF/EP sucrose) Anhydrous, readily soluble in water	Tereos
Pure icing sugar	Ground sucrose (EP sucrose)	Tereos
Granulated sugar	Sieved sucrose (EP sucrose) Particle size 600-2000 µm	Tereos

Sugar Substitutes, Sweeteners

Trade name	Description	Manufacturer
Maltilite	Crystalline maltitol & maltitol syrup (various DE values), wheat-based	Tereos
Meritol	Sorbitol – liquid (various DE values), based on wheat/corn mix – powder	Tereos
Merisorb	Sorbitol – powder (various DE values) based on wheat/corn	Tereos
Actilight®	Short-chain fructo-oligosaccharides (scFOS) – 30% as sweet as sugar	Beghin Meiji
Sodium cyclamate	Sweetener	Productos Aditivos

Preservatives

Trade name	Description	Manufacturer
Purox® B	Benzoic acid	Emerald
Purox® S Grains	Sodium benzoate powder	Emerald
Citric acid monohydrate/ anhydrous	Citric acid	Sunshine

MCT/Glycerine

Trade name	Description	Manufacturer
PALMESTER™ 3595	Typical ratio 60% C8 and 40% C10 fatty acids Also available in MB (mass balance RSPO) quality	KLK Oleo
PALMESTER™ 3550	Pure C8 MCT oil (95% C8 and 5% C10 fatty acids)	KLK Oleo
PALMESTER™ 3585	Typical ratio 70 % C8 and 30 % C10 fatty acids	KLK Oleo
PALMESTER™ 3590	Based on coconut oil – 60% C8 and 40% C10 fatty acids	KLK Oleo
Palmera® G995 FG	Glycerine	KLK Oleo

Stearates

Trade name	Description
Magnesium/calcium stearate	Salts of a plant-derived stearic acid, also available in MB quality, FCC release agent
Stearic acid	Also available in MB quality, FCC release agent

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Imprint

Published by:

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