

The logo for SILVACO, featuring the word "SILVACO" in a white, sans-serif font on a dark grey rectangular background.

SILVACO

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The background of the entire page is a photograph of water with ripples, reflecting a blue sky with light clouds. The ripples are concentric and spread across the lower half of the image.

PRODUCT PORTFOLIO 2019

PREMIUM QUALITY INGREDIENTS
for the nutraceutical, food, feed,
and pharmaceutical industries

AMINO ACIDS

We offer a broad range of amino acids in USP, EP and FCC quality from European stock.

- BCAA, various blends
- DL-Methionine
- Glycine
- L-Arginine
- L-Carnitine
- L-Cystine
- L-Glutamine
- L-Isoleucine
- L-Leucine
- L-Lysine
- L-Valine
- Taurine

Furthermore, we are able to offer other amino acids as well, please ask.

ANIMAL EXTRACTS

One of our key products is glucosamine. Glucosamine is available with different salts and grades in EP and USP quality. Along with glucosamine, we also offer below animal extracts.

- Chitosan
- Chondroitin sulphate
- Collagen peptides, fish or bovine
- Gelée royal
- Glucosamine (HCl, 2KCl or NaCl)
- Green shell mussel extract
- Keratin
- Oyster mushroom extract
- Pankreatin
- Propolis extract

ANTIOXIDANTS

We offer a wide range of antioxidants for feed, food and food supplements available for various application forms.

- Ascorbic acid
- Astaxanthin
- Calcium ascorbate
- Carotenoids
- Coenzyme Q10
- Glutathione
- Lutein
- Selenium
- Sodium ascorbate
- Tocopherols

BURNT CARAMELISED SUGARS, MILK POWDERS AND TOFFEE PRODUCTS

We offer a wide range of burnt caramelised sugars and milk powders as taste enhancer and for colouring purposes.

- Colour value, EBC from 250 to 16.000
- Liquid and powder
- No E-number
- Organic range
- Taste profile from hard-burned notes to soft caramel notes

Besides, we offer a broad range of toffee products for various food applications.

- Carmel pieces in various sizes
- Fudge pieces in various sizes
- Liquorice fudge
- Toffee sauces
- Coconut and mocha paste

CAROTENOIDS

Carotenoids are split into two classes, xanthophylls such as lutein, zeaxanthin and astaxanthin (which contain oxygen) and carotenes such as beta-carotene and lycopene (which are purely hydrocarbons, and contain no oxygen). The carotenoids are available in various forms and concentrations.

- Astaxanthin
- Beta-carotene
- Lutein
- Lycopene
- Zeaxanthin

EXCIPIENTS

We offer a range of excipients for pharmaceuticals and dietary supplements such as fillers, glidants, disintegrants, lubricants, binders and coaters in various grades.

- Copovidone
- Crospovidone
- Di-calcium phosphate
- HPMC-coater
- Magnesium stearate
- Microcrystalline cellulose
- Povidone
- Sodium carboxymethyl cellulose (croscarmellose sodium)

FIBERS

- Inulin
- Konjac glucomannan
- Psyllium husk, different grades

FLAVOURS

We offer a wide range of flavours and natural extracts in various forms for the food industry.

- Anethole
- Customized flavours
- Essential oils (eg. Anis oil, peppermint oil etc.)
- Extracts
- Liquids, powders or granulated types
- Low cost flavours
- Natural flavours
- Organic flavours
- Paprika, E160c
- Spices

HARD CAPSULES, EMPTY

Empty hard capsules to the nutraceutical and pharmaceutical industries are one of our core specialities. We offer a wide range of high quality capsules made from bovine gelatine, fish gelatine, HPMC, or Pullulan.

- Bovine gelatine capsules in sizes from #5 to #000 incl. elongated
- Fish gelatine capsules in sizes from #5 to #000
- Vegetable HPMC capsules in sizes from #2 to #000
- Natural pullulan capsules in sizes from #1 to #000
- Vegetable Acid-Resistant HPMC capsules in sizes from #1 and #0

We keep a permanent stock of the most common capsule types. Special sizes and colours are available on demand.

HERBAL EXTRACTS, NUTRACEUTICALS

We offer a broad range of herbal extracts from all the regions of the world. The extracts are standardised according to ratio, extraction solvent, active components or other parameters.

• Acerola	<i>Malpighia glabra L.</i>
• Apple cider	<i>Cider from Pyrus malus L.</i>
• Bilberry	<i>Vaccinium myrtillus L.</i>
• Buckwheat	<i>Polygonum fagopyrum L.</i>
• Chlorella	<i>Chlorella pyrenoidosa</i>
• Cinnamon	<i>Cinnamon cassia Blume</i>
• Citrus bioflavonoids	
• Cranberry	<i>Vaccinium oxycoccos L.</i>
• Curcumin	<i>Curcuma longa L.</i>
• Echinacea	<i>Echinacea purpurea L.</i>
• Elderberry	<i>Sambucus nigra L.</i>
• Fabenol phaseolus	
• Fenugreek	<i>Trigonella foenum-graecum</i>
• Garcinia cambogia	<i>Garcinia cambogia Desr.</i>
• Ginger	<i>Zingiber officinalis R.</i>
• Ginkgo biloba	<i>Ginkgo biloba L.</i>
• Ginseng	<i>Panax ginseng C. Meyer</i>
• Green tea	<i>Camellia sinensis L.</i>
• Guarana	<i>Paulina cupana Kunth</i>
• Horsetail	<i>Equisetum arvense L.</i>
• Marigold	<i>Calendula officinalis L.</i>
• Nettle	<i>Urtica dioica L.</i>
• Rhodiola rosea	<i>Rhodiola rosea L.</i>
• Rosehip	<i>Rosa canina L.</i>
• Schizandra	<i>Schisandra chinensis</i>
• Spirulina	<i>Spirulina pratensis / Spirulina maxium</i>

These are just some of the herbal extracts Silvaco are able to offer – please ask for other extracts.

HERBS AND HERBAL TEAS

We offer a variety of various herbal tea blends as well as herbs.

- Fruit tea blends
- Green tea
- Herbal blends
- Organic certified blends
- Rooibos blends

We can offer a wide selection of herbs. Those mentioned below are just some, please ask for other herbs.

- Chamomile
- Ginseng
- Guarana seeds
- Lavender
- Peppermint
- Rosehip

MINERALS AND TRACE ELEMENTS

Manganese, magnesium, chromium, calcium, copper, potassium, sodium, selenium, cobalt, iodine, iron, molybdenum, zinc, sulphur and phosphorous. Available in the forms as eg. gluconates, citrates, phosphates, carbonates and pidolates.

Present focus products are:

- Calcium carbonate, several grades including DC grades
- Chromium picolinate
- Copper gluconate
- Di-calcium phosphate, several grades
- Ferrous fumarate, powder and encapsulated
- Ferrous gluconate
- Magnesium gluconate
- Magnesium hydroxide, several grades
- Magnesium oxide, several grades
- Manganese gluconate
- Milk calcium
- Selenium, several salts and grades
- Zinc gluconate

OMEGA-3 AND OTHER MARINE OILS

We offer a wide range of omega-3 and other marine oils from leading producers.

- 18/12 fish oil
- Cod liver oil
- Krill oil
- Omega-3 concentrates from EPAX, Norway:
- Salmon oil 12/8
- Shark liver oil 20% alkoxyglycerol

CONCENTRATES	PRODUCT	EPA, mg/g	DHA, mg/g
<i>ULTRA</i> Concentrates	EPAX 5025 TGN	500	250
	EPAX 2050 TGN	205	500
	EPAX 4030 TGN	400	300
	EPAX 4228 TGN	420	280
	EPAX 6015 TGN	530	100
	EPAX 5520 EE	550	200
	EPAX 4030 EE	400	300
<i>CORE</i> Concentrates	EPAX 0460 TGN	40	600
	EPAX 1500 TGN	100	500
	EPAX 1050 TGN	90	430
	EPAX 1050 TGN (non tuna)	136	470
	EPAX 4020 TGN	400	200
	EPAX 6000 TGN	300	200
	EPAX 4510 TGN	390	70
	EPAX 4020 EE	400	200
EPAX 6000 EE	300	200	
<i>CUSTOM</i> Concentrates	EPAX XXXX TGN or EE	50-800	50-800

PROTEINS

We can offer a broad range of animal and milk proteins and derivatives, nutritional and functional proteins – examples are:

- Caseinates (instant, hydrolysates, Ca-, K-, Mg-, Na- & kappa-caseinates)
- Whey proteins (concentrates, isolates & hydrolysates)
- Milk bio-components (lactoferrin, lactoperoxidase, glycomacropeptide, etc.)
- Lactose
- Animal fats and tallows
- Beef plasma ingredients
- Animal stocks, broths and extracts (beef, chicken, pork & turkey)
- Functional meat proteins for improved texture and water binding

SOFT GELATINE CAPSULES

For more than 30 years, Silvaco has offered contract manufacturing of customized and high quality dietary soft gelatine capsules. Due to our long lasting partnerships, in-depth market knowledge and direct access to the single ingredients, combined with the fact that we are a low overhead company our customers' benefit of very competitive prices without compromising the quality. Product examples are:

- Standard fish oil 18/12 capsules
- High concentrated omega-3 capsules
- Krill oil capsules
- Omega-3-6-9 capsules
- Coenzyme Q10 capsules
- Seabuckthorn oil capsules
- Vitamin D capsules
- Vitamin E capsules

Furthermore, we are able to offer a range of customized vegetable soft shell capsules such as:

- Vegetable algae oil capsules
- Vegetable seabuckthorn oil capsules
- Vegetable vitamin D capsules
- Vegetable vitamin E capsules

SPECIALTY PRODUCTS

- Caffeine
- Coenzyme Q10
- Hyaluronic acid
- Melatonin
- MSM

VEGETABLE OILS

We offer a range of vegetable oils, which we source around the world.

- Almond oil
- Borage oil
- Evening primrose oil
- Flaxseed oil
- Garlic oil
- Jojoba oil
- MCT oil
- Seabuckthorn fruit oil 30%
- Wheat germ oil

VITAMINS

We offer a full range of vitamins as different salts, grades and concentrates suitable for pharmaceuticals, food, food supplements, feed and cosmetics.

- Beta-carotene
- Biotin
- Coenzyme Q10
- Folic acid
- Para amino benzoic acid (PABA)
- Vitamin A – Retinyl acetate
- Vitamin B1 – Thiamine hydrochloride and thiamine mononitrate
- Vitamin B2 – Riboflavin
- Vitamin B3 – Niacin
- Vitamin B5 – Calcium pantothenate
- Vitamin B6 – Pyridoxine hydrochloride
- Vitamin B12 – Cyanocobalamin
- Vitamin C – Ascorbic acid, sodium ascorbate and calcium ascorbate
- Vitamin D – Cholecalciferol and ergocalciferol
- Vitamin E – Tocopherols, tocopheryl acetates and tocopheryl succinates
- Vitamin K – Phylloquinone and menaquinone

YEAST AND YEAST EXTRACTS

We offer a wide range of *Saccharomyces cerevisiae* derived products for the feed, food and food supplement industry. Examples are:

- Brewers' yeast (pure, including distillers grain, bitter, debittered etc.)
- Brewers' yeast with beta-glucans
- Autolysed brewers' yeast
- Autolysed Brewers' yeast with free nucleotides and RNA fragments

Furthermore, we offer various *Saccharomyces cerevisiae* based ingredients for the food industry with properties like:

- Umami enhancer
- Savoury and roasted note enhancer
- Sodium reduction
- Nutritional value