



Quality Solutions for Human Nutrition & Health

Product List 2024



Partnering for a Sustainable Future

At Divi's, we believe in safeguarding the environment by maintaining an ecological balance and putting strategies in place for long-term environmental protection. Our dedication to being a sustainable organization has earned us awards that reflect our commitment to the environment.*

Carbon Footprint



15,500 MT

CO, emissions reduced during FY 2022-23

Energy Management



15,871,000 KWH

Energy conserved during FY 2022-23

Waste Management



49,830 MT

Hazardous waste co-processed during FY 2022-23

Water Management



39,000 M³

Raw water conserved



Over the years, Divi's has actively participated in community building and has contributed to the social and economic well-being of the surrounding communities. We implement initiatives to support the empowerment of children, women and people with disabilities. Through our corporate social responsibilities (CSR) projects, we provide drinking water and offer access to healthcare. We also run planting campaigns, while promoting animal welfare and rural infrastructure development.







Preventative Healthcare



Village Development



Promoting



Empowering



Supporting



Animal Welfare

44

Villages



Afforestation & **Planting Drives**

91 Locations

231,000 People

55 Villages

174,000 People

44 Villages

103,000 People



Education

827 Schools

84,000 Students



Women

33 Villages

> 1,000 Women



Disabled People

Beneficiaries

300

95,000 People



60,000 Saplings Planted













Fore more information, please see Divi's Laboratories Sustainability Report 2022-23 (https://www.divislabs.com/csr-and-sustainability/)

^{*} Gold Award for Excellence in EHS Practices by CII in CII-SR EHS Excellence Awards 2021 Lifetime Achievement Award 2021 for Significant Contribution in Waste Management and Circular Economy by ISWMAW Best EHS Leadership Award by CII in CII-SR EHS Excellence Awards 2021



Innovation and Services at the Heart of Our Projects

Innovation is at the heart of our projects, and we are regularly offering new solutions to best meet the requirements of a constantly changing market. For this, Divi's Nutraceuticals can count on the support of its parent company. Divi's Laboratories, one of the 3 main API manufacturers in the world, employs more than 400 scientists dedicated to research and development.

Divi's goal is to create value for all stakeholders in our business – customers, suppliers and external partners – with high quality products and services.

We regularly expand our portfolio with ingredients that meet consumer demands. In order to stick as close as possible to the needs of our customers, we are constantly innovating to create new formulations for our ingredients. We also partner with our customers to develop products that are perfectly suited to their specific applications.



Fewer Additives and Excellent Performance

Novel & APPLICATION

- SiO, free
- Nano free
- Sugar free
- · Palm oil free
- Gluten free
- · Synthetic AOX free

For a few years, consumer demand has been moving towards products containing as few additives as possible. To help our customers meet this market need, we have developed high-quality ingredients formulated with fewer additives.

Our Novel Application ingredients can be used either in supplements or to fortify and color a variety of foods and beverages.

High-Quality Plant-Based and Natural Ingredients

An increasing number of consumers are opting for a more natural diet. The plant-based diet in particular has seen dramatic rise in recent years. Beyond the growing number of vegans and vegetarians, the interest in plant-based ingredients is driven by the health halo that surrounds them. Our natural and plant-based ingredients are available in many forms to fortify or color a wide choice of applications.

- CaroNat
- AstaBeäd
- Lutein
- Zeaxanthin
- Natural Beta-Carotene

Our Formulation Expertise for a Variety of Applications

Thanks to our technical expertise in formulating ingredients, we can provide our customers with a variety of forms for fortification and coloration

Some of our carotenoid and vitamin forms are designed specifically for supplements, while others are suitable for fortification of a wide range of foods and beverages.

Our extensive portfolio of natural and nature-identical carotenoids displays a color pallet ranging from yellow to red and offers superior stability in all applications.



Supplements

We have extensive experience and expertise in the manufacture and formulation of fat-soluble vitamins and carotenoids for the dietary supplements industry. With ingredients featuring high-quality nutritional profiles and excellent technical properties, we help supplement manufacturers meet today's consumer demands for bioavailability and convenient delivery methods.



For tablet manufacturers, it is essential to use ingredients that are easily compressible and sufficiently concentrated to produce small tablets that are preferred by consumers. Our beadlets are directly compressible to avoid compression loss and bleeding of ingredients. They have excellent stability during tableting process and throughout the shelf life of the tablet, limiting the need for high overages in the formulation.



Softgels are very popular with consumers, who find them easy to swallow. From a technical point of view, the encapsulation of liquids in softgels provides convenient delivery of fat-soluble ingredients. We have developed a range of products available in various concentrations and oil bases to meet the specific needs of softgel manufacturers.



Our Fortification and Coloration Solutions for Foods and Beverages

As experts in synthesis and formulation, we offer a range of synthetic and natural vitamins and carotenoids for fortification and coloration of beverages and food products. From pale yellow to warm orange and bright red, our range of carotenoids offers you a broad spectrum of colors. Our carotenoids are stable, enabling you to achieve consistent color shades in your applications. They are an ideal replacement for artificial colors and help food manufacturers make the transition to clean labels. Our team of experts has years of experience in coloring and color matching. They will work with you to develop the formulation best suited to your needs.

Foods

Our easy-to-handle product forms are suitable for a wide variety of foods. They have been specially developed to provide the best consumer experience and offer superior properties in applications:

- Excellent pH stability
- · Heat and light stability
- Consistent color uniformity



Beverages

Our complete range of product forms allow innovative beverages with consumer appealing color and appearance.

It supports specific application functions, such as:

- Excellent dispersibility
- Prevention of ring formation
- Superior color stability
- Light yellow to dark red colors



DISPERSIBLE Grade

Our exclusive microencapsulation technology enables our beadlets to disperse optimally and quickly in cold water. They also offer excellent content uniformity and easy handling, as well as excellent stability in a variety of applications.



Our unique CaroQuik beadlets are designed to enhance the rapid, cold-water dispersion of fortified powder beverages. Due to their innovative formulation, these specialty carotenoid beadlets improve powder beverage dissolution times.



Beta-Carotene

Beta-Carotene, a carotenoid found in many plants, is a fat soluble, yellow-orange pigment that serves as a strong antioxidant and a source of Vitamin A. It is used as healthy color in a variety of dietary supplement, food and beverage applications.

													Арр	licat	ion¹						
Name Description	Form	Article Code	Stano	dard Pack Size	Country of Origin	Retest Date (Months)	Coloration	Fortification	Powder Drinks	Ready-to-Drink	Dairy	Bakery	Cereals & Bars	Confectionery	Savory	Frozen Food	Spreads & Oils	Tablets	Hard Shell Capsules	Softgels	Liquid Supplements
Beta-Carotene 1% SD Spray Dried	Powder	HNBC01A.13 HNBC01A.08	4 x 5 kg 20 kg	Alu Bags in Box Alu Bag in Box	GER	36	•		•	•	•	•	•	•	•						•
SiO ² -free Beta-Carotene 1% SD/SF Spray Dried/Silicon Dioxide Free	Powder	HNBC01R.13 HNBC01R.08	4 x 5 kg 20 kg	Alu Bags in Box Alu Bag in Box	GER	36	•		•	•	•	•	•	•	•						•
Caro Clear Beta-Carotene 1% SD/C Spray Dried/Clear	Powder	HNBC01H.08	20 kg	Alu Bag in Box	GER	36	•		•	•	•	•	•	•	•						•
Novel & APPLICATION Beta-Carotene 1% SD/NA Spray Dried	Powder	HNBC1AB.13 HNBC1AB.08	4 x 5 kg 20 kg	Alu Bags in Box Alu Bag in Box	GER	24	•		•	•	•	•	•	•	•						•
Beta-Carotene 1% SD/MCT Spray Dried	Powder	HNBC01Z.13 HNBC01Z.08	4 x 5 kg 20 kg	Alu Bags in Box Alu Bag in Box	GER	24	•		•	•	•	•	•	•	•	•					•
Beta-Carotene 5% Color Spray Dried	Powder	HNBC05A.08	20 kg	Alu Bag in Box	GER	36	•		•	•	•	•	•	•	•						•
Direct ON COMPRESSION Beta-Carotene 7.5% DC/AF Directly Compressible/Animal Free	Beadlet	HNBC07C.06	25 kg	Alu Bag in Box	IN	36	•	•			•	•	•	•	•	•		•	•		•
DISPERSIBLE Grade affai Beta-Carotene 10% DG Dispersible Grade	Beadlet	HNBC10A.13 HNBC10A.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	36	•	•		•	•	•	•	•	•	•			•		•
Direct OCOMPRESSION Beta-Carotene 10% DC* Directly Compressible	Beadlet	HNBC10B.13 HNBC10B.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	36		•										•	•		
Direct ON DC/AF Beta-Carotene 10% DC/AF Directly Compressible/Animal Free	Beadlet	HNBC10C.13 HNBC10C.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	36	•	•		•	•	•	•	•	•	•		•	•		•
DISPERSIBLE Grade iiiii Beta-Carotene 10% DG/F** Dispersible Grade/Fish Gelatin	Beadlet	HNBC10D.13 HNBC10D.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	36	•	•		•	•	•	•	•	•	•			•		•
Caro Quik Beta-Carotene 10% DG/Q Quickly Dispersible	Beadlet	HNBC10M.13 HNBC10M.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	36	•	•	•		•	•	•	•	•	•			•		•
DISPERSIBLE MinjBeads Grade ifiel MinjBeads Beta-Carotene 15% DG Low Color/Dispersible Grade	Beadlet	HNBC15D.13 HNBC15D.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	36		•	•										•		

^{*}Not kosher/halal certified. Not suitable for vegetarian and vegan diets. **Not kosher certified. Contains allergens. Not suitable for vegetarian and vegan diets.

Product Certification

Unless otherwise stated, all our products

- are kosher and halal certified
- are GMO/BSE/TSE and gluten² free
- do not contain ingredients of known allergenic potential
- are suitable for vegetarian and vegan diets



													Арр	licati	ion¹						
Name Description	Form	Article Code	Stano	dard Pack Size	Country of Origin	Retest Date (Months)	Coloration	Fortification	Powder Drinks	Ready-to-Drink	Dairy	Bakery	Cereals & Bars	Confectionery	Savory	Frozen Food	Spreads & Oils	Tablets	Hard Shell Capsules	Softgels	Liquid Supplements
Direct Orocompression Beta-Carotene 20% DC* Directly Compressible	Beadlet	HNBC20A.13 HNBC20A.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	36		•										•	•		
Direct Compression Beta-Carotene 20% DC/AF Directly Compressible/Animal Free	Beadlet	HNBC20B.13 HNBC20B.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	36	•	•		•	•	•	•	•	•	•		•	•		•
Direct Orcompression Beta-Carotene 20% DC/B* Directly Compressible/Bovine Gelatin	Beadlet	HNBC20H.06	25 kg	Alu Bag in Box	IN	36		•										•	•		
SUSPENSI N Beta-Carotene 10% Sun In Sunflower Oil	Suspension	HNBC10G.19 HNBC10G.18	5 kg 20 kg	Pail in Box Pail in Box	IN	24	•	•									•			•	
SUSPENSI N Beta-Carotene 11% Soy In Soybean Oil	Suspension	HNBC11A.16	20 kg	Alu Can in Box	IN	36	•	•									•			•	
SUSPENSI N Beta-Carotene 22% LF In Corn Oil	Suspension	HNBC22A.02 HNBC22A.19 HNBC22A.18	5 x 1 kg 5 kg 20 kg	Alu Cans in Box Pail in Box Pail in Box	IN	36	•	•									•			•	
SUSPENSI N Beta-Carotene 25% LF In Corn Oil	Suspension	HNBC25A.02 HNBC25A.18	5 x 1 kg 20 kg	Alu Cans in Box Pail in Box	IN	36	•	•									•			•	
SUSPENSI N Beta-Carotene 30% In Corn Oil	Suspension	HNBC30A.02 HNBC30A.03 HNBC30A.19 HNBC30A.18	5 x 1 kg 2 x 5 kg 5 kg 20 kg	Alu Cans in Box Alu Cans in Box Pail in Box Pail in Box	IN	36	•	•									•			•	
SUSPENSI N Beta-Carotene 30% Sun In Sunflower Oil	Suspension	HNBC30C.02 HNBC30C.03 HNBC30C.19 HNBC30C.18	5 x 1 kg 2 x 5 kg 5 kg 20 kg	Alu Cans in Box Alu Cans in Box Pail in Box Pail in Box	IN	36	•	•									•			•	
Beta-Carotene 1% Emulsion	Emulsion	HNBC01C.04	5 kg	Alu Can in Box	IN	24	•			•	•	•	•	•	•	•					•
Beta-Carotene 2% Emulsion	Emulsion	HNBC02A.03 HNBC02A.16	2 x 5 kg 20 kg	Alu Cans in Box Alu Can in Box	IN	12	•			•	•	•	•	•	•	•					•
Beta-Carotene 3% Emulsion	Emulsion	HNBC03B.16	20 kg	Alu Can in Box	IN	12	•			•	•	•	•	•	•	•					•
Beta-Carotene 5% Emulsion B	Emulsion	HNBC05C.03	2 x 5 kg	Alu Cans in Box	IN	24	•			•	•	•	•	•	•	•					•
Beta-Carotene 10% Emulsion R	Emulsion	HNBC10F.03	2 x 5 kg	Alu Cans in Box	IN	12	•	•		•	•	•	•	•	•	•					•
Beta-Carotene 10% Emulsion	Emulsion	HNBC10E.03	2 x 5 kg	Alu Cans in Box	IN	12	•	•		•	•	•	•	•	•	•					•

^{*}Not kosher/halal certified. Not suitable for vegetarian and vegan diets.

E-Number: E160a (i)



Our CaroClear Beta-Carotene is a nature-identical colorant that can be used to color clear and transparent beverages, such as flavored waters and soft drinks, but also energy and sports drinks. The result is a bright, transparent color that makes beverages very appealing to consumers. Our CaroClear Beta-Carotene is taste neutral and shows excellent stability in applications.



Natural Beta-Carotene

Blakeslea Trispora fermentation

													Арр	licat	ion¹						
Name Description	Form	Article Code	Stano	dard Pack Size	Country of Origin	Retest Date (Months)	Coloration	Fortification	Powder Drinks	Ready-to-Drink	Dairy	Bakery	Cereals & Bars	Confectionery	Savory	Frozen Food	Spreads & Oils	Tablets	Hard Shell Capsules	Softgels	Liquid Supplements
Beta-Carotene 1% SD/N Natural/Spray Dried	Powder	HNBC01D.08	20 kg	Alu Bag in Box	GER	36	•		•	•	•	•	•	•	•	•					•
DISPERSIBLE Grade iiiii Beta-Carotene 10% DG/N Natural/Dispersible Grade	Beadlet	HNBC10H.06	25 kg	Alu Bag in Box	IN	24	•	•		•	•	•	•	•	•	•			•		•
Caro Quik Beta-Carotene 10% DG/QN Natural/Quickly Dispersible	Beadlet	HNBC10Z.06	25 kg	Alu Bag in Box	IN	12	•	•	•		•	•	•	•	•	•			•		•
Direct ON COMPRESSION Beta-Carotene 20% DC/AFN Natural/Directly Compressible /Animal Free	Beadlet	HNBC20E.06	25 kg	Alu Bag in Box	IN	36	•	•		•	•	•	•	•	•	•		•	•		•
Beta-Carotene 1% Emulsion/N Natural/Emulsion	Emulsion	HNBC01W.16	20 kg	Alu Can in Box	IN	12	•			•	•	•	•	•	•	•					•
Beta-Carotene 2% Emulsion/N Natural/Emulsion	Emulsion	HNBC02E.16	20 kg	Alu Can in Box	IN	12	•			•	•	•	•	•	•	•					•
SUSPENSION Beta-Carotene 30% Sun/N Natural/In Sunflower Oil	Suspension	HNBC30G.02 HNBC30G.03 HNBC30G.16	5 x 1 kg 2 x 5 kg 20 kg	Alu Cans in Box Alu Cans in Box Alu Can in Box	IN	36	•	•									•			•	

E-Number: E160a (iii)

Natural Beta-Carotene

From carrots

						S)															
Name Description	Form	Article Code	Stand	dard Pack Size	Country of Origin	Retest Date (Months)	Coloration	Fortification	Powder Drinks	Ready-to-Drink	Dairy	Bakery	જ	ctione	Savory	Frozen Food	જ	Tablets	Shell	Softgels	Liquid Supplements
CaroNat SiO2-free CaroNat 0.2% SD/SF Spray Dried/Silicon Dioxide Free	Powder	HNBC00E.13 HNBC00E.08	4 x 5 kg 20 kg	Alu Bags in Box Alu Bag in Box	GER	24	•		•	•	•	•	•	•	•	•					•



Naturally Sourced Coloration for Clean Labels

Consumers are highly concerned about the effects of artificial dyes on health and are looking for more natural options.



Concentrate

CaroNat is made of plant-sourced ingredients only and helps food marketers in their transition to clean labels.

CaroNat is a naturally sourced food ingredient made of carrot juice concentrate. It inherently contains Beta-Carotene and is used for dark yellow to orange coloration of a variety of foods and beverages. Divi's innovative production process provides the stabilization of this natural ingredient in a powder form for easy handling and excellent stability in applications.



Canthaxanthin

Canthaxanthin³ is an oil-soluble carotenoid pigment with a characteristic orange-red color. It occurs naturally in many foods, such as mushrooms, crustaceans, fish and eggs. Nature-identical Canthaxanthin is used as a colorant in food, beverages and dietary supplements.

								Powder Drinks Ready-to-Drink Dairy Bakery Cereals & Bars Confectionery Savory Frozen Food Spreads & Oils Hard Shell Capsules Softgels													
Name Description	Form	Article Code	Stand	dard Pack Size	Country of Origin	Retest Date (Months)	Coloration	Fortification	Powder Drinks	to-Dr	Dairy	Bakery	જ	Confectionery	Savory	Frozen Food	ૐ	Tablets	Shell	Softgels	Liquid Supplements
DISPERSIBLE Grade hitti Canthaxanthin 10% DG Dispersible Grade	Beadlet	HNCX10A.08	20 kg	Alu Bag in Box	IN	36	•			•	•	•	•	•	•	•					•
Canthaxanthin 20% LF In Corn Oil	Suspension	HNCX20A.18	20 kg	Pail in Box	IN	24	•										•				

E-Number: E161g

Apocarotenal

Apocarotenal⁴ is an orange-red carotenoid found in spinach and citrus fruits. Nature-identical Apocarotenal offers superior stability for the coloration of foods and beverages.

													Appl	icati	on1						
Name Description	Form	Article Code	Stano	dard Pack Size	Country of Origin	Retest Date (Months)	Coloration	Fortification	Powder Drinks	Ready-to-Drink	Dairy	Bakery	Cereals & Bars	Confectionery	Savory	Frozen Food	Spreads & Oils	Tablets	Hard Shell Capsules	Softgels	Liquid Supplements
SiO ² -free Apocarotenal 1% SD/SF Spray Dried/Silicon Dioxide Free	Powder	HNAP01E.08	20 kg	Alu Bag in Box	GER	24	•		•	•	•	•	•	•	•	•					•
DISPERSIBLE Grade attain Apocarotenal 10% DG Dispersible Grade	Beadlet	HNAP10A.13 HNAP10A.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	36	•			•	•	•	•	•	•	•			•		•
Apocarotenal 2% In Oil	Solution	HLAP02A.18	20 kg	Pail in Box	IN	36	•										•				
Apomix 73	Solution	HLAP01A.18	20 kg	Pail in Box	IN	24	•										•				
SUSPENSION Apocarotenal 20% LF In Oil	Suspension	HLAP20A.16	20 kg	Alu Can in Box	IN	36	•										•			•	

E-Number: E160e

Apocarotenal: Colorant with Superior Performance

As an expert in Apocarotenal production and microencapsulation, we offer a variety of stable formulations, such as powders, beadlets, solutions and suspensions.

Divi's Apocarotenal is used as a colorant that gives a light orange to orange-red hue to a large range of food and beverage products.

It advantageously replaces artificial FD&C dyes and helps food marketers in their transition to clean labels.

Superior performance in applications:

- Light orange to orange-red coloration
- Uniform color shade in food preparations
- Excellent color stability
- Desirable appearance
- Suitable for applications requiring high temperature heating





Natural Astaxanthin

Astaxanthin⁵ belongs to the carotenoid family known as xanthophylls and is a red pigment found in algae, yeast, bacteria and fungi. Astaxanthin is naturally occurring in foods such as salmon. Studies showed that this strong antioxidant micronutrient can play a role in decreasing the impact of inflammation, support skin, eye and brain health, and aid in exercise recovery.

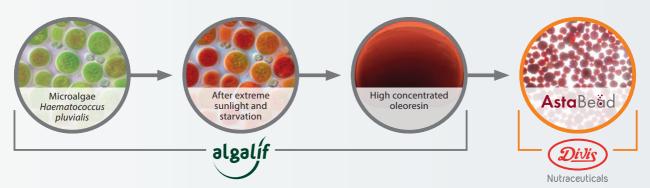
													Appl	icati	on¹						
Name Description	Form	Article Code	Stano	lard Pack Size	Country of Origin	Retest Date (Months)	Coloration	Fortification	Powder Drinks	Ready-to-Drink	Dairy	Bakery	Cereals & Bars	Confectionery	Savory	Frozen Food	Spreads & Oils	Tablets	Hard Shell Capsules	Softgels	Liquid Supplements
Asta Beäd Direct ON Astaxanthin 2.5% DC/AFN-X Directly Compressible/Animal Free	Beadlet	HNAX02H.13 HNAX02H.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	24		•					•					•	•		
Asta Beäd Direct ON COMPRESSION Astaxanthin 2.5% DC/BN-X* Directly Compressible	Beadlet	HNAX02G.06	25 kg	Alu Bag in Box	IN	24		•					•					•	•		
Asta Beäd COMPRESSION Astaxanthin 5% DC/BN* Directly Compressible	Beadlet	HNAX05E.13 HNAX05E.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	24		•					•					•	•		
Asta Beäd Caro Quik Astaxanthin 2.5% DG/Q Quickly Dispersible	Beadlet	HNAX02I.13 HNAX02I.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	24		•	•	•									•		•
Asta Beäd Caro Quik Astaxanthin 5% DG/QN Quickly Dispersible	Beadlet	HNAX05F.13 HNAX05F.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	24		•	•	•									•		•
Astalif 10	Oleoresin	On demand	5 kg 10 kg 20 kg	Plastic Drum Plastic Drum Plastic Drum	ICE	24** 36***		•									•			•	

^{*}Not kosher certified. Not suitable for vegetarian and vegan diets. ** 24 months below 25°C. *** 36 months below 8°C.

AstaBeäd Highly Concentrated Astaxanthin Beadlets

Divi's and Algalif have joined their expertise to develop high quality, sustainable Astaxanthin. Algalif is a leading supplier of high quality and sustainable natural Astaxanthin products from microalgae. Their indoor production, located in Iceland, uses renewable energy and provides highly concentrated premium Astaxanthin oleoresin. Thanks to its expertise in the formulation of fat-soluble ingredients, Divi's transforms this oleoresin into exclusive high concentrated AstaBead beadlets in its state-of-the-art production facilities.

- Highest concentration of a beadlet on the market
- · Low cost-in-use
- Ease of handling due to beadlet formulation
- · Uniformity in premixes



AstaBead offers superior performance in applications:

Directly Compressible Form

- No oil extrusion
- · No discoloration of tablets
- · Suitable for fortified food

Quickly Dispersible Form

- · Rapid cold-water dispersion
- · Consistent color
- · Suitable for fortified powders



10

Lycopene

Lycopene⁶ is an oil-soluble red carotenoid pigment which occurs naturally in a number of fresh fruits and vegetables, such as tomatoes, watermelon, pink grapefruit and papaya. As a powerful antioxidant, Lycopene is thought to protect the body from harmful free radicals. Scientific studies indicate that Lycopene may be helpful in supporting cardiovascular, prostate and skin health.

											Арр	licat	ion¹								
Name Description	Form	Article Code	Stano	dard Pack Size	Country of Origin	Retest Date (Months)	Coloration	Fortification	Powder Drinks	Ready-to-Drink	Dairy	Bakery	Cereals & Bars	Confectionery	Savory	Frozen Food	Spreads & Oils	Tablets	Hard Shell Capsules	Softgels	Liquid Supplements
SiO ² -free Lycopene 1% SD/SF Spray Dried/Silicon Dioxide Free	Powder	HNLY01B.08	20 kg	Alu Bag in Box	GER	12	•		•	•	•	•	•	•	•	•					
Direct OCOMPRESSION Lycopene 5% DC/AF Directly Compressible/Animal Free	Beadlet	HNLY05B.13 HNLY05B.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	36	•	•		•	•	•	•	•	•	•		•			•
Direct OCOMPRESSION Lycopene 10% DC* Directly Compressible	Beadlet	HNLY10B.06	25 kg	Alu Bag in Box	IN	24		•										•	•		
Direct OCOMPRESSION Lycopene 10% DC/AF Directly Compressible/Animal Free	Beadlet	HNLY10C.13 HNLY10C.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	36	•	•		•	•	•	•	•	•	•		•	•		•
Minj Beads Lycopene 10% MB	Beadlet	HNLY10K.06	25 kg	Alu Bag in Box	IN	24	•	•	•									•	•		
SUSPENSION Lycopene 6% Sun In Sunflower Oil	Suspension	HNLY06A.18	20 kg	Alu Bag in Box	IN	24	•	•				•			•		•			•	
SUSPENSI N Lycopene 10% LF In Corn Oil	Suspension	HNLY10A.18	20 kg	Pail in Box	IN	36		•									•			•	
SUSPENSI N Lycopene 10% Sun In Sunflower Oil	Suspension	HNLY10E.18	20 kg	Pail in Box	IN	36		•									•			•	
SUSPENSI N Lycopene 20% LF In Corn Oil	Suspension	HNLY20A.18	20 kg	Pail in Box	IN	36		•									•			•	

^{*}Not kosher/halal certified. Not suitable for vegetarian and vegan diets.

E-Number: E160d

Optimally Well-Balanced Beadlets

We have extensive experience in the formulation of fat-soluble products, particularly in the encapsulation of active ingredients in beadlets. A good beadlet must respect the essential balance between its two functions: stability in the final product and delivery of active ingredients at the right time.

Our proprietary microencapsulation technology produces beadlets that are highly stable during manufacture and storage of the final product, while offering excellent content uniformity and easy handling. They are ideal for use in a wide variety of applications.

Minj Beads Our Micro-Encapsulated Ingredients for Fine Powders

Our exclusive micro-encapsulation process leads to MiniBeads that are about 30% finer than our regular beadlets. Due to their small particle size, MiniBeads grant excellent uniformity and are designed for application in fine powders, such as premixes, where uniformity is a key performance parameter. MiniBeads beadlets show excellent stability in applications.





Lutein and Zeaxanthin

Lutein⁷ and Zeaxanthin are carotenoids naturally occurring in eggs and green leafy vegetables like spinach and kale. Both of these yellow orange nutrients are deposited in the macular portion of the retina, where they protect the eye by filtering harmful blue light. Growing body of scientific evidence shows that they may help protect from age-related macular degeneration (AMD).

Lutein

													Арр	licati	ion¹						
Name Description	Form	Article Code	Stano	dard Pack Size	Country of Origin	Retest Date (Months)	Coloration	Fortification	Powder Drinks	Ready-to-Drink	Dairy	Bakery	Cereals & Bars	Confectionery	Savory	Frozen Food	Spreads & Oils	Tablets	Hard Shell Capsules	Softgels	Liquid Supplements
Novel & APPLICATION Lutein 1% SD/NA Spray Dried	Powder	HNLU01D.08	20 kg	Alu Bag in Box	GER	24		•	•												•
Direct Caro Quik Lutein 5% DC/AFG Directly Compressible/Animal Free	Beadlet	HNLU05E.13 HNLU05E.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	36	•	•	•	•	•	•	•	•	•	•		•	•		•
Direct ON COMPRESSION Lutein 10% DC/AF Directly Compressible/Animal Free	Beadlet	HNLU10C.13 HNLU10C.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	36	•	•		•	•	•	•	•	•	•		•	•		•
SUSPENSI N Lutein 20% SAF In Safflower Oil	Suspension	HNLU20E.18	20 kg	Pail in Box	IN	36		•									•			•	
SUSPENSION NOVEL & Lutein 20% SAF no AO	Suspension	HNLU20M.18	20 kg	Pail in Box	IN	24		•									•			•	

E-Number: E161b

Zeaxanthin

							Coloration Powder Drinks Ready-to-Drink Dairy Dairy Cereals & Bars Confectionery Savory Frozen Food Spreads & Oils Tablets Forgels Softgels														
Name Description	Form	Article Code	Stand	dard Pack Size	Country of Origin	Retest Date (Months)	lora	Fortification	Drin	to-D	Dairy	Bakery	Cereals & Bars	퓬	Savory	Frozen Food	8	Tablets	Shell	Softgels	Liquid Supplements
SUSPENSIIN Zeaxanthin 14% LF/N In Oil	Suspension	HNZX14A.18 HNZX14A.16	20 kg 20 kg	Pail in Box Alu Can in Box	IN	12		•												•	

Meso-Zeaxanthin





Vitamin A

Two different types of Vitamin A sources naturally exist in the diet: Pro-Vitamin A (Beta-Carotene), found in plant-based foods such as fruits and vegetables; and Vitamin A found in animal-based foods such as meat, fish and dairy foods. Vitamin A can be included in dietary supplements as retinyl acetate or palmitate. Vitamin A may contribute to the maintenance of healthy skin, teeth, mucous membranes and skin. It also supports immunity and promotes good vision, especially in low light.

													Арр	licat	ion¹						
Name Description	Form	Article Code	Stand	dard Pack Size	Country of Origin	Retest Date (Months)	Coloration	Fortification	Powder Drinks	Ready-to-Drink	Dairy	Bakery	Cereals & Bars	Confectionery	Savory	Frozen Food	Spreads & Oils	Tablets	Hard Shell Capsules	Softgels	Liquid Supplements
Vitamin A Acetate 250 SD Spray Dried	Powder	HNVC25B.08	20 kg	Alu Bag in Box	GER	24		•	•	•	•	•	•	•		•					•
Vitamin A Acetate 325 A Water Soluble Beadlet	Beadlet	HNVC32C.06	25 kg	Alu Bag in Box	IN	36		•	•	•	•	•	•	•		•			•		•
Direct Or COMPRESSION Vitamin A Acetate 325 DC* Directly Compressible	Beadlet	HNVC32A.06	25 kg	Alu Bag in Box	IN	24		•										•	•		•
Minj Beads Vitamin A Acetate 325 MB	Beadlet	HNVC32E.06	25 kg	Alu Bag in Box	IN	12		•	•	•	•	•	•	•		•			•		•

^{*}Not kosher/halal certified. Not suitable for vegetarian and vegan diets.

Vitamin E

Vitamin E is the collective name for a group of fat-soluble compounds with strong antioxidant properties. In nature, Vitamin E is found in whole grains, nuts, seeds, vegetable oils and green leafy vegetables. As a powerful antioxidant, Vitamin E contributes to the protection of cells from oxidative damages caused by free radicals.

						Menths) Coloration Fortification Powder Drinks Bakery Cereals & Bars Confectionery Savory Frozen Food Frozen Food Spreads & Oils Tablets Hard Shell Capsules Softgels															
Name Description	Form	Article Code	Stan	dard Pack Size	Country of Origin	Retest Date (Months)	Coloration	Fortification	Powder Drinks	Ready-to-Drink	Dairy	Bakery	Cereals & Bars	Confectionery	Savory	Frozen Food	Spreads & Oils	Tablets	Shell	Softgels	Liquid Supplements
SiO ² -free Vitamin E 50% SD/SSF Spray Dried/Silicon Dioxide Free	Powder	HNVE50D.08	20 kg	Alu Bag in Box	GER	36		•	•	•	•	•	•	•		•		•			•
Vita.Quik Vitamin E 50% DG/Q Quickly Dispersible	Beadlet	HNVE50E.06	25 kg	Alu Bag in Box	IN	24		•	•	•	•	•	•	•		•		•	•		•





Quickly Dispersible Vitamins for Powder Beverages

Drinks and powdered foods packaged in sticks, dispersion caps and powder cans are gaining increasing interest from consumers.

Our unique **VitaQuik** Vitamin E beadlets are designed to enhance the rapidity of the cold water dispersion of fortified powder beverages and foods.

Vitamin D

The importance of Vitamin D in maintaining bone health has been established for many years. Scientific research continues to show the positive effects of Vitamin D in many health aspects, including calcium and phosphorus absorption, muscle function, oral health, immunity and cognitive function. Vitamin D, although present in small quantities in certain foods such as fatty fish, red meat, liver and egg yolks, is mainly supplied to the body by exposure to UVB rays. Especially during the winter, most of us have to rely on dietary sources, either from dietary supplements or fortified foods and beverages. Given its importance, the FDA requires Vitamin D content on all nutrition facts labels since the beginning of 2021.

Vitamin D2

Vitamin D2, or Ergocalciferol, is obtained by UV radiation from a yeast sterol. This form is also present in nature, for example in mushrooms exposed to the sun. Its plant origin makes it particularly suitable for vegan diets.

							Application ¹														
Name Description	Form	Article Code	Stand	dard Pack Size	Country of Origin	Retest Date (Months)	Coloration	Fortification	Powder Drinks	Ready-to-Drink	Dairy	Bakery	Cereals & Bars	Confectionery	Savory	Frozen Food	Spreads & Oils	Tablets	Hard Shell Capsules	Softgels	Liquid Supplements
Vitamin D2 100 SD Spray Dried	Powder	HND210A.08	20 kg	Alu Bag in Box	GER	24		•	•	•	•	•	•	•		•		•			•
Novel & APPLICATION Vitamin D2 100 SD/NA Spray Dried	Powder	HND210I.08	20 kg	Alu Bag in Box	GER	24		•	•	•	•	•	•	•		•		•			•
SiO ² -free Vitamin D2 100 SD/SF Spray Dried/Silicon Dioxide Free	Powder	HND210G.08	20 kg	Alu Bag in Box	GER	12		•	•	•	•	•	•	•		•		•			•
MinjBeads Vitamin D2 100 MB	Beadlet	HND210E.06	25 kg	Alu Bag in Box	IN	24		•	•	•	•	•	•	•		•		•	•		•
Vitamin D2 1 MIU/g In MCT Oil	Solution	HND201A.04 HND201A.10	5 kg 10 kg	Alu Can in Box	IN	24		•									•			•	
Vitamin D2 1 MIU/g Sun In Sunflower Oil	Solution	HND201C.04 HND201C.10	5 kg 10 kg	Alu Can in Box	IN	24		•									•			•	
Vitamin D2 36 Sun In Sunflower Oil	Solution	HND200B.04 HND200B.10	5 kg 10 kg	Alu Can in Box	IN	24		•									•			•	

Concentration of solutions can be individually adapted.

Our Extensive D2 and D3 Portfolio for a Variety of Applications

As formulation expert of fat-soluble vitamins, we offer a comprehensive and unique portfolio of Vitamin D2 and D3 forms in different concentrations for a wide range of applications in supplements, foods and beverages.

Divi's Vitamin D portfolio offers superior performance in many applications:

- · Easy handling
- Excellent uniformity
- · Superior stability in both liquid and dry applications

In addition to our extensive Vitamin D2 and D3 portfolio, we can adapt our product formulations and solution concentrations to fit your individual needs.









Vitamin D3

Vitamin D3, or Cholecalciferol, is produced from the lanolin present in the wool of sheep. It is the form which is naturally synthesized in the body after exposure to UV rays.

							Application ¹														
Name Description	Form	Article Code	Stano	dard Pack Size	Country of Origin	Retest Date (Months)	Coloration	Fortification	Powder Drinks	Ready-to-Drink	Dairy	Bakery	Cereals & Bars	Confectionery	Savory	Frozen Food	Spreads & Oils	Tablets	Hard Shell Capsules	Softgels	Liquid Supplements
Vitamin D3 100 SD Spray Dried	Powder	HND310C.08	20 kg	Alu Bag in Box	GER	24		•	•	•	•	•	•	•		•		•			•
Novel & APPLICATION Vitamin D3 100 SD/NA Spray Dried	Powder	HND310S.08	20 kg	Alu Bag in Box	GER	18		•	•	•	•	•	•	•		•		•			•
SiO ² -free Vitamin D3 100 SD/SF Spray Dried/Silicon Dioxide Free	Powder	HND310P.08	20 kg	Alu Bag in Box	GER	24		•	•	•	•	•	•	•		•		•			•
Vitamin D3 500 SD Spray Dried	Powder	HND350B.08	20 kg	Alu Bag in Box	GER	24		•	•	•	•	•	•	•		•		•			•
Vitamin D3 100 A/M	Beadlet	HND310I.13 HND310I.06	4 x 5 kg 25 kg	Alu Bags in Box Alu Bag in Box	IN	18		•	•	•	•	•	•	•					•		•
Minj Beads Vitamin D3 100 MB	Beadlet	HND310N.06	25 kg	Alu Bag in Box	IN	24		•	•	•	•	•	•	•				•	•		•
Direct OV COMPRESSION Vitamin D3 100 DC* Directly Compressible	Beadlet	HND310A.06	25 kg	Alu Bag in Box	IN	24		•										•	•		
Vitamin D3 36 Sun In Sunflower Oil	Solution	HND300F.04 HND300F.10	5 kg 10 kg	Alu Can in Box	IN	24		•									•			•	
Vitamin D3 1 MIU/g In MCT Oil	Solution	HND301A.04 HND301A.10	5 kg 10 kg	Alu Can in Box	IN	24		•									•			•	
Vitamin D3 1 MIU/g Sun In Sunflower Oil	Solution	HND301B.04 HND301B.10	5 kg 10 kg	Alu Can in Box	IN	24		•									•			•	
Vitamin D3 1 MIU/g Corn In Corn Oil	Solution	HND301E.04 HND301E.10	5 kg 10 kg	Alu Can in Box	IN	24		•									•			•	
Novel & APPLICATION Vitamin D3 1 MIU/g no AO In Oil	Solution	HND301H.04 HND301H.10	5 kg 10 kg	Alu Can in Box	IN	24		•									•			•	

*Not kosher/halal certified. Not suitable for vegetarian and vegan diets. Our Vitamin D3 is not suitable for vegan diet (all forms). Concentration of solutions can be individually adapted.

Vitamin D3 500 SD: High Potency for Demanding Applications

Vitamin D3 500 SD is a spray-dried powder providing 500,000 IU per g. It is easy to handle and exhibits excellent flowability. Our technology ensures constant particle size distribution and an optimized concentration, resulting in excellent content uniformity in applications such

as premixes. Vitamin D3 500 SD benefits from a reliable supply thanks to a state-of-the-art plant in Germany.

- High potency resulting in smaller tablets and capsules
- Excellent stability in applications: no need to add high overdosage to guarantee the label claim
- Suitable for direct compression of chewable and coated tablets
- Fully dispersible in water, fruit juices, milk and other liquids





Support and Services

At Divi's Nutraceuticals, we listen to our customers to understand their needs. We offer a complete range of technical resources and sales services to help you meet your product development and sourcing needs.

We provide versatile and personalized solutions to help you achieve your objectives in terms of innovation and product development. Contact us to talk about your specific requirements.

Technical

- Customer support available to answer any questions in regards to our products
- Customized ingredient solutions in liquid, beadlets and powder forms



Regulatory

- Comprehensive expertise concerning requirements in all major markets
- Regulatory expert support for regional questions



Analytics

- Analytical requirements from basic physical properties to sophisticated analytics
- Stability testing in applications
- Assay evaluation methods
- Color and light studies



Applications

- Application support for all market segments (food & beverages, supplements, feed)
- Customized product development in our application labs
- Development of tailored prototype formulations on customer request



Code	Description
А	Acacia
A/M	Acacia/MCT Oil
DC/AF	Directly Compressible/Animal Free
DC/AFG	Directly Compressible/Animal Free/Glucose
DC/AFN	Directly Compressible/Animal Free/Natural
DC/B	Directly Compressible/Bovine Gelatine
DG	Dispersible Grade
DG/F	Dispersible Grade/Fish Gelatin
DG/N	Dispersible Grade/Natural
DG/Q	Dispersible Grade/Quickly Dispersible
LF	Liquid Form
LF/N	Liquid Form/Natural
МВ	MiniBeads
MIU/g	Million IU per Gram
N	Natural
NA	Novel Application
R	Red
SAF	Safflower Oil
SAF no AO	Safflower Oil/No Antioxidant
SD	Spray Dried
SD/C	Spray Dried/Clear
SD/NA	Spray Dried/Novel Application
SD/SF	Spray Dried/Silicon Dioxide Free
SD/SSF	Spray Dried/Starch/Silicon Dioxide Free
Sun	Sunflower Oil



Connect With Us at Exhibitions Throughout 2024



February 13–15 Mumbai, **India**



March 12–16 Anaheim, CA, **USA**





May 14–16 Geneva, **Switzerland**



July 15–17 Chicago, IL, **USA**



August 6–8 Sao Paulo, **Brazil**



September 18–20 Bangkok, **Thailand**



October 28–November 1 Las Vegas, NV, **USA**



December 3–5 Frankfurt, **Germany**







Visit our Website



Regulatory Compliance

Our product forms are fully compliant with the current US and EU regulatory requirements for use in food, dietary supplements and animal feed.

- 1 The data contained herein are based on our current knowledge and experience. This does not relieve the company producing and/or placing a product on the market from carrying out their own investigations and tests. The data neither guarantees certain properties nor the suitability of the product for a specific purpose. It may change without prior notification and is not to be considered as part of our terms and conditions of sale.
- 2 The statement is based on the use of all ingredients in the formulation being derived from non-gluten containing raw materials and from spot testing. Further details are available upon request.

The regulatory requirements for food, food/dietary supplement, pharmaceutical, cosmetic, pet food and feed products vary greatly around the globe. As a raw material supplier, Divi's Laboratories does not take any responsibility for the regulatory compliance of finished products in individual markets. This obligation rests exclusively with the company producing and/or placing on the market the final product formulation and the respective local regulatory authorities.

All statements contained herein have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure or prevent any disease. A list of references is available upon request. This B2B document is not intended for the end consumer.

Quality Certification

Divi's Nutraceuticals production facilities operate under the highest quality standards: ISO 9001, ISO 14001, ISO 45001-2018.7, FSSC 22000, SEDEX, HACCP, GMP, FSMA compliant and FDA inspected under 21CFR:117.















Regulatory Information

3 Canthaxanthin

USA: The color additive Canthaxanthin may be safely used for coloring foods generally, subject to the following restrictions: 1) The quantity of Canthaxanthin does not exceed 30 mg per pound of solid or semisolid food or per pint of liquid food; and 2) It may not be used to color foods for which standards of identity have been promulgated under section 401 of the act unless added color is authorized by such standards.

EU: Canthaxanthin is not permitted in the EU as a direct food color.

4 Apocarotenal

USA: The color additive [beta]-apo-8'-carotenal may be safely used for coloring foods generally, subject to the following restrictions: 1) The quantity of [beta]-apo-8'-carotenal does not exceed 15 milligrams per pound of solid or semisolid food or 15 milligrams per pint of liquid food. 2) It may not be used to color foods for which standards of identity have been promulgated under section 401 of the act unless added color is authorized by such standards. Labeling: Beta-apo-8'-carotenal (Color). Uses and restrictions: 21CFR73.90

EU: The use of Apocarotenal (E160e) as a food additive in the EU is determined by Reg. 1333/2008, specifying the respective food categories and maximum levels. Depending on the respective food category, the use of Apocarotenal may be authorized as part of the group III additives where combined maximum limits apply or as individual additive, specified by an entry under E160e.

5 Astaxanthin

USA: Astaxanthin can be used in dietary supplements and foods (for an intended use that is not to impact color of the food).

EU: Astaxanthin is limited for use in food supplements.

6 Lycopene

USA: Lycopene can only be used as a nutritional ingredient.

EU: Lycopene is permitted for food use as a color or nutritional ingredient.

7 Lutein

USA: Lutein can only be used as a nutritional ingredient.

EU: Lutein is permitted for food use as a color or nutritional ingredient.







Contact Information

For more information, please visit divisnutra.com



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