

## Beverage

Product group	Functional/nutritional ingredient	Forms	Typical applications
Carotenoids	Beta-Carotene*	Powders, emulsions	Soft drinks, juices & juice mixes, beer/beer mixes, instant powder drinks
	Mixed carotenoids from algae*	1% powder	Soft drinks, juices & juice mixes, instant powder drinks
	Lycopene	Powder	Soft drinks, juices & juice mixes, instant powder drinks
	Lutein esters	Powder	Soft drinks, juices & juice mixes, instant powder drinks
Beverage clarifiers/stabilizers	Divergan	Powder (used in filtration/clarification step, not used in end-product directly)	Beer & beer mixes, wine, ready-to-drink tea
	Crosspure	Powder (used in filtration/clarification step, not used in end-product directly)	Beer & beer mixes, wine, ready-to-drink tea
Caffeine	Caffeine	Powder	Soft drinks, juices & juice mixes, beer/beer mixes, instant powder drinks
Vitamins**	Vitamin A-Acetate	Powder	Soft drinks, juices & juice mixes, instant powder drinks
	Vitamin E-Acetate	Powder	Soft drinks, juices & juice mixes, beer & beer mixes, instant powder drinks
	Riboflavin (Vitamin B <sub>2</sub> )	Powder	Soft drinks, juices & juice mixes, beer & beer mixes, instant powder drinks
Specialty lipids	Conjugated linoleic acid (CLA)**	Powder	Soft drinks, juices & juice mixes, beer & beer mixes, instant powder drinks
	Plant sterols**	Powder	Soft drinks, juices & juice mixes, beer & beer mixes, instant powder drinks

\* Oils/dispersions are available for producers of colorant emulsions.

\*\* Other vitamins (B<sub>12</sub>, D<sub>3</sub>, K<sub>1</sub>) as well as antioxidants (D,L-alpha-tocopherol, Coviox) are available for use in beverages, other food applications and flavours or colorants.

\*\* Where regulations allow use.

## Dietary Supplement

Product group	Nutritional ingredient	Ingredient description/ further product names	Forms	Typical applications**
Vitamins	Vitamin A	Vitamin A-Acetate	Oil, powder*	For soft gelatin capsules, hard gelatin capsules, tablets, instant applications, and liquid preparations
		Vitamin A-Palmitate	Oil, powder*	
		Vitamin A-Propionate	Oil	
	Vitamin B <sub>2</sub>	Riboflavin	Powder	For soft gelatin capsules, hard gelatin capsules, tablets, instant applications, and liquid preparations
	Vitamin B <sub>5</sub>	Calcium D-Pantothenate	Powder	
	Vitamin B <sub>12</sub>	Cyanocobalamin	Powder	
	Vitamin D <sub>3</sub>	Cholecalciferol	Oil, powder	For soft gelatin capsules, hard gelatin capsules, tablets, instant applications, and liquid preparations
	Vitamin E	D, L-alpha tocopherol	Oil	For soft gelatin capsules and as an antioxidant
		D, L-alpha tocopheryl acetate	Oil, powder*	For soft gelatin capsules, hard gelatin capsules, tablets, instant applications, and liquid preparations
		D-alpha tocopherol	Oil	For soft gelatin capsules and as an antioxidant
D-alpha tocopheryl acetate		Oil, powder	For soft gelatin capsules, hard gelatin capsules, tablets, instant applications, and liquid preparations	
D-alpha tocopheryl succinate		Powder	For hard gelatin capsules, tablets	
Mixed tocopherols		Oil, powder	For soft gelatin capsules, instant applications, liquid preparations, and as an antioxidant	
Vitamin K <sub>1</sub>	Phytomenadione	Powder	For soft gelatin capsules, hard gelatin capsules, tablets, instant applications, and liquid preparations	
Carotenoids	Beta-carotene	Beta-carotene	Oil, powder*	For soft gelatin capsules, hard gelatin capsules, tablets, instant applications, and liquid preparations
		Mixed carotenoids from alga source	Oil, powder*	
	Other carotenoids	Lycopene	Oil, powder*	For soft gelatin capsules, hard gelatin capsules, tablets, instant applications, and liquid preparations
		Lutein, lutein ester	Oil, powder*	
Specialty lipids	Conjugated linoleic acid	CLA derived from safflower oil	Oil, powder, soft gelatin capsules	For soft gelatin capsules, instant applications, and liquid preparations
	Omega-3	Omega-3 derived from marine origin	Oil, powder, bottles	For soft gelatin capsules, hard gelatin capsules, tablets, instant applications, and liquid preparations
	Plant sterols	Plant sterols	Powder	For hard gelatin capsules, tablets, instant applications, and liquid preparations
		Plant sterol esters	Oily paste, powder	For soft gelatin capsules, hard gelatin capsules, instant applications, and liquid preparations
Others	Caffeine	1,3,7-Trimethylxanthine	Powder	For hard gelatin capsules, tablets, instant applications, and liquid preparations

In addition to this product portfolio BASF offers a wide range of pharmaceutical excipients such as binders and lubricants for tableting, coating as well as coating agents, and much more.

\* Powder or beadlet perfect forms also suitable for direct compression.

\*\* For further applications or for recommended product forms please contact BASF or refer to the product catalog.