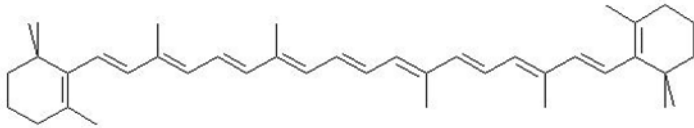


# Beta Carotene 1% SD



## Product Data Sheet

### Product Identification

Product Code	HNBC01A
Chemical Name	$\beta$ , $\beta$ -Carotene; 1,18-(3,7,12,16-Tetramethyl-1, 3, 5, 7, 9, 11, 13, 15, 17, octadecanonaen-1,18-diyl)-bis-(2,6,6-trimethylcyclohexene)
Chemical Formula	 The chemical structure of beta-carotene is shown as a long, zigzag chain of conjugated double bonds. At each end of the chain, there is a cyclohexene ring with three methyl groups attached to it, forming a trimethylcyclohexene end group.
Synonyms	$\beta$ -Carotene
CAS Number	7235-40-7
EINECS Number	230-636-6
Empirical Formula	C <sub>40</sub> H <sub>56</sub>
Molecular Mass	536.85 g/mol
E number	E 160a (i)

### Product Description

Beta-Carotene 1% SD contains Beta-Carotene dissolved in coconut oil, finely dispersed in a matrix of gum acacia, maltodextrin and sucrose. DI- $\alpha$ -Tocopherol and Sodium-Ascorbate are added as antioxidants. Silicon dioxide is added as flow agent.

Appearance	Free-flowing, agglomerated orange powder
Fineness	100% passes through mesh No. 20 NLT 95% passes through mesh No. 60 NLT less than 85% passes through mesh No. 80
Loss on drying	NMT 5.0% w/w
Color intensity	A (1%, 1cm in aq. solution at maximum): Not less than 25
Beta-Carotene content	min. 1.0% w/w
Microbiological Purity	Corresponds

### Dispersibility

Beta-Carotene 1% SD is dispersible in water, resulting in a yellow to light orange color. A suitable stock solution with a concentration of 6 – 9%  $\beta$ -Carotene 1% SD can be prepared by adding slowly the desired quantity of powder to cold or warm water under continuous agitation.

### Stability and Storage

Beta-Carotene 1% SD is sensitive to air, heat, light and humidity. The product may be stored for 36 months from the date of manufacture in the unopened original container and at room temperature. The retest date is printed on the label. Keep container tightly closed. Use contents quickly when opened.

### Use

Used as a yellow-orange coloring agent for beverages, instant products, dairy products, puddings, confectionary, bakery, sorbet and other water-based foods and pharmaceutical preparations.

# Beta Carotene 1% SD



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### Packaging

20 kg Aluminum bag in box

### Certificates

Kosher; Halal; Non GMO; does not contain ingredients of known allergenic potential; Vegetarian formula.

### Country of Origin

Germany

### Safety

This product is safe for the intended use. Avoid direct contact or ingestion through applicable protective measures and personal hygiene. For complete safety information and necessary precautions, please consult the respective Divi's Laboratories Safety Data Sheet.

### About Divi's Laboratories

As a multinational company, Divi's Laboratories, has been serving the global pharmaceutical, nutraceutical and food markets for over 25 years. Our manufacturing facilities, located in India, are certified under ISO 9001, ISO 14001, OHASAS 18001 and FSSC 22000. The plants operate under HACCP guidelines with additional FDA inspection. As part of Divi's dedication to quality and innovation, a team of over 200 scientists make up our departments of Quality, Research & Development. This team provides support and collaboration with external partner, suppliers and customers.

### The Divi's Difference

Divi's Nutraceuticals has a fully validated and backward integrated manufacturing process, from molecule to finished form. This approach means flexibility, reliability and the best total value for our customers.

For more information about Divi's Nutraceuticals or any of our products, please visit us at

[www.divisnutraceuticals.com](http://www.divisnutraceuticals.com)

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