**Beta-Carotene 15% DG**

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**Product Identification**

Product Code: HNBC15D  
Chemical Name: β, β-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-rimethylcyclohexene)  
Chemical Formula: ![Chemical Structure](image)

Synonyms: β-Carotene  
CAS Number: 7235-40-7  
EINECS Number: 230-636-6  
Empirical Formula: C_{40}H_{56}  
Molecular Mass: 536.85 g/mol

**Product Description**

Beta-Carotene 15% DG contains Beta-Carotene finely dispersed in a matrix of modified starch, corn starch and maltodextrin. Sodium-Ascorbate is added as an antioxidant.

Appearance: Free-flowing reddish brown powder. May contain visible white starch particles  
Fineness: 100% passes through Mesh No. 20  
NLT 85% passes through Mesh No. 40  
Loss on drying: Maximum 5.0 % w/w  
Dispersibility in water: Satisfactory  
Beta-Carotene content: Not less than 15.0% w/w by HPLC  
Microbiological Purity: Corresponds  
Heavy Metals:  
- Arsenic: NMT 1 ppm  
- Lead: NMT 2 ppm  
- Cadmium: NMT 0.5 ppm  
- Mercury: NMT 0.1 ppm

Microbiological:  
- Aerobic bacteria: Maximum 1000 CFU/g  
- Yeasts and molds: Maximum 100 CFU/g  
- Enterobacteria: Maximum 10 CFU/g  
- Escherichia coli: Absent in 10g  
- Salmonella spp.: Absent in 25g  
- Staphylococcus aureus: Absent in 10g  
- Pseudomonas aeruginosa: Absent in 10g

**Stability and Storage**

Beta-Carotene 15% DG is sensitive to air, heat, light and humidity. The product may be stored for 24 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.
**Uses**
Used as a nutrient for all types of instant beverages, instant foods, dry food preparations and dietary supplement applications.

**Dispersibility**
Beta-Carotene 15% DG is dispersible in water, resulting in no, to very low color saturation in the final product. A suitable stock solution with a concentration of 6 – 9% β-Carotene 15% DG can be prepared by adding slowly the desired quantity of powder to cold or warm water under continuous agitation.

**Packaging**
- 4 x 5 kg Aluminum Bag in Box
- 1 x 25 kg Aluminum Bag in Box

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

**Country of Origin**
India

**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 precaution, please consult the respective Divi’s Laboratories Material 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

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