

NATURAL SOURCE

Beta-carotene is a carotenoid well known for its nutrient role in human health and well-being.

Natural Beta-carotene CWD is made with beta-carotene produced naturally by careful cultivation of a naturally occurring fungus, *Blakeslea trispora*.

The process does not involve genetic modification.

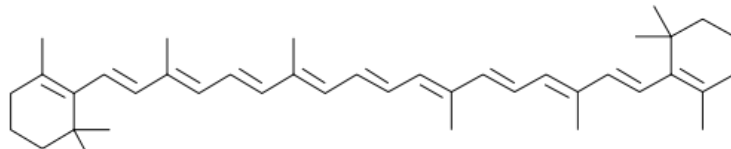
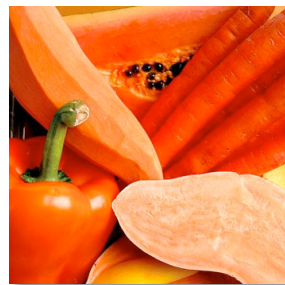


Figure 1 β - carotene molecule

PRODUCT DATA

Natural Beta-carotene CWD consists of purified natural Beta-carotene crystals uniformly dispersed in a matrix of modified food starch to produce red-brown, free-flowing particles.



dl-Alpha tocopherol is added as an antioxidant. Beta-carotene CWD is sensitive to oxygen, heat and light.

Beta-carotene CWD is suited for use in directly compressed tablets, 2-piece hard-shell capsules, powder beverage mixes, and liquid preparations.

<i>Appearance</i>	Reddish fine granular powder
<i>β- carotene Content</i>	20% (min)
<i>Spectrometry</i>	Max in Cyclohexane at about 453-6 nm
<i>Moisture LOD</i>	6% max.
<i>Particle Size</i>	Through 20-mesh 100% Through 40-mesh 85%, min. Through 100-mesh 15%, max.
<i>Heavy Metals Lead</i>	2 ppm, max.
<i>Arsenic.</i>	3 ppm, max
<i>Microbiological Tests</i>	
<i>Total Plate Count.</i>	1,000 cfu/g, max
<i>Yeast & Mould</i>	100 /g, max.
<i>Coliforms.</i>	10 /g, max
<i>E. Coli</i>	Absent in 25 g.
<i>Salmonella</i>	Absent in 5 g.

DISPERSIBILITY

The modified starch matrix of Beta-carotene CWD allows water insoluble Betacarotene crystals to disperse readily and evenly in cold water. The resulting dispersion is yellow to orange in color.

SHELF LIFE

36 months in the original sealed container, stored dry and cool.

STORAGE

Best stored in a tightly closed opaque container dry and at a temperature below 15°C.



Natural Beta-carotene CWD

CAS 7235-40-7

DISCLAIMER – Information contained in this product leaflet is for education and information purposes only. .

USAGE

After opening, use contents quickly.

SAFE FOR INTENDED USE

Beta-carotene CWD may be used as a nutrient for foods and as a dietary ingredient in dietary supplements, and as a yellow-orange colouring agent for foods, dietary supplements, and pharmaceutical preparations. Beta-carotene may be used to colour foods in amounts consistent with current regulations.

Beta-carotene CWD contains no animal-source materials.

For more information please visit www.bio-gen.in

PACKING

5 to 10 kilogram foil bags.

PRODUCT AVAILABILITY

Natural β - carotene	POWDER
CWS/CWD	BEADLET
	OIL