

Product Information
 Product Data Sheet

OPTISHARP™ (Zeaxanthin) 5% CWS/S-TG

Description

OPTISHARP™ (Zeaxanthin) 5% CWS/S-TG consists of free-flowing particles (beadlets). They contain Zeaxanthin finely dispersed in a Corn Starch-coated matrix of Modified Food Starch and Sucrose. *dl*- α -Tocopherol and Sodium Ascorbate are added as antioxidants.

The product may contain white particles of Corn Starch.

Product identification

Product code: 50 0356 3

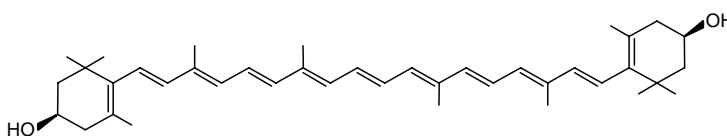
Chemical names: (3*R*,3'*R*)- β -carotene-3,3'-diol; 3,3'-dihydroxy- β -carotene

Synonyms: 3*R*,3'*R*-zeaxanthin

CAS No.: 144-68-3

Empirical formula: C₄₀H₅₆O₂

Molecular mass: 568.89 g/mol



Specifications

Appearance:	free-flowing particles
Colour:	reddish
Fineness (US standard sieves):	
• through sieve No. 20	100%
• through sieve No. 40	min. 85%
• through sieve No. 100	max. 15%
Loss on drying:	max. 8%
Dispersibility in water:	dispersible
Colour intensity of aqueous solution :	
• A (1%, 1 cm) at maximum	min. 50
Zeaxanthin content:	min. 5%

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Microbiological purity:

• Total aerobic microbial count	max. 10 ³ CFU/g
• Total combined yeast/moulds count	max. 10 ² CFU/g
• Enterobacteria	< 10 CFU/g
• Escherichia coli	negative in 10 g
• Salmonella spp.	negative in 25 g
• Staphylococcus aureus	negative in 10 g
• Pseudomonas aeruginosa	negative in 10 g

Dispersibility

OPTISHARP™ (Zeaxanthin) 5% CWS/S-TG is dispersible in cold water.

Stability and storage

OPTISHARP™ (Zeaxanthin) 5% CWS/S-TG 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 a temperature below 15°C. The 'best use before' date is printed on the label. Keep container tightly closed. Once opened, use contents quickly.

Uses

For film-coated, chewable and effervescent tablets, and for hard-shell capsules.

For fortification of foods and beverages.

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene.

For full safety information and necessary precautions, please refer to the respective DSM Material Safety Data Sheet.

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Legal notice

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