

## Product Information

### Product Data Sheet

# AstaSana™ 5% CWS/S-TG

## Description

AstaSana™ 5% CWS/S-TG consists of free-flowing particles (beadlets). They contain Astaxanthin finely dispersed in a Corn Starch-coated matrix of Modified Food Starch and Glucose Syrup. *d,l*- $\alpha$ -Tocopherol and Sodium Ascorbate are added as antioxidants. The product may contain white particles of Corn Starch.

## Product identification

Product code: 50 1529 8

Chemical names: 3,3'-dihydroxy-4,4'-diketo- $\beta$ -carotene; 3,3'-dihydroxy- $\beta,\beta$ -carotene-4,4'-dione; 3,3'-dihydroxy-[all-*trans*-1,18-(3,7,12,16-tetramethyl-1,3,5,7,9,11,13,15,17-octadecanonaen-1,18-diyl)-bis-(2,6,6-trimethyl-cyclohexen)]-4,4'-dione (3*S*,3'*S*:3*R*,3'*R*:3*R*,3'*S* = 1:1:2)

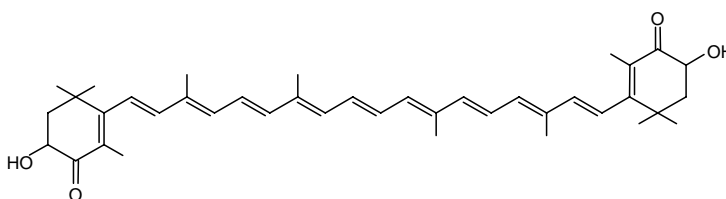
Synonyms: astaxanthin

CAS No.: 7542-45-2

EINECS No.: 231-424-6

Empirical formula: C<sub>40</sub>H<sub>52</sub>O<sub>4</sub>

Molecular mass: 596.85 g/mol



## Specifications

Appearance:	free-flowing particles
Colour:	violet
Fineness (US standard sieves):	
<ul style="list-style-type: none"> <li>through sieve No. 20</li> <li>through sieve No. 40</li> <li>through sieve No. 100</li> </ul>	100% min. 85% max. 15%
Loss on drying:	max. 6%
Astaxanthin content: (on the anhydrous basis)	5.0 – 6.5% (w/w)

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#### Microbiological purity:

- |                                      |                            |
|--------------------------------------|----------------------------|
| • Total aerobic microbial count      | max. 10 <sup>3</sup> CFU/g |
| • Total combined Yeasts/Moulds count | max. 10 <sup>2</sup> 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

AstaSana™ 5% CWS/S-TG is dispersible in cold water.

#### Stability and storage

AstaSana™ 5% CWS/S-TG 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 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

AstaSana™ 5% CWS/S-TG can be used for oral dosage forms like tablets to swallow, chewables and effervescent tablets, and for hard-shell capsules.

#### Regulatory status

For use in dietary supplements in the US only. Further information available on demand. Please contact DSM Nutritional products North America.

#### Safety

AstaSana™ 5% CWS/S-TG 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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DSM Nutritional Products Ltd Product Management Building 241 PO Box 2676 CH-4002 Basel Switzerland	Tel.: +41 (0) 61 815 8899 Fax: +41 (0) 61 815 8390 Internet <a href="http://www.dsmnutritionalproducts.com">www.dsmnutritionalproducts.com</a>
DSM Nutritional Products North America 45 Waterview Boulevard Parsippany, NJ 07054-1298	Tel.: +1 (800) 526 0189 (Human Nutrition, Personal Care) Tel.: +1 (800) 451-8325 (Animal Nutrition) Fax: +1 (973) 257 8420 Internet <a href="http://www.unlimitednutrition-na.dsm.com">www.unlimitednutrition-na.dsm.com</a>