

Pigmentine

SPECIFICATIONS FOR CANTHAXANTHIN BEADLET AT 10 % FOOD GRADE

Description

Canthaxanthin 10% is violet-brown granular powder containing 10% canthaxanthin. The canthaxanthin fine particles are dispersed in a cornstarch-coated matrix of swine gelatin and sucrose, coated with corn starch. Ascorbyl palmitate and ethoxyquin are added as antioxidants.

Product identification

Chemical names: β -Carotene-4,4'-dione; canthaxanthin; 4,4'-dioxo- β -carotene

EINECS: 208-187-2

CAS No.: 514-78-3

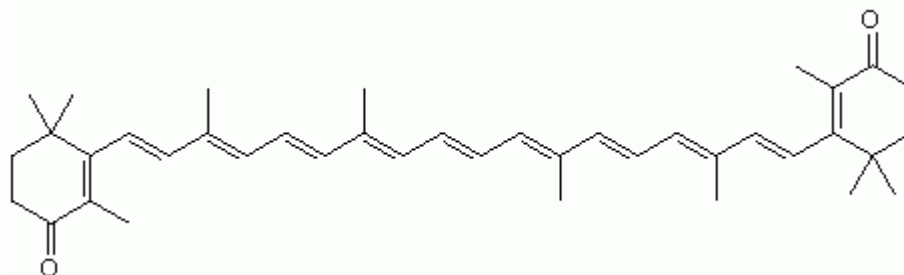
Formula weight: 564.86 g/mol

Customs fraction: 32041999

Empirical formula: C₄₀H₅₂O₂

Empirical formula: C₄₀H₅₂O₂

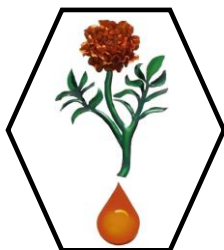
Chemical formula developed:



SENSORIAL AND ANALYTICAL SPECIFICATIONS

CHARACTERISTICS	SPECIFICATION
Appearance	Brownish-red powder
Light absorption (in cyclohexane)	Maximum absorption at 468–472nm
Canthaxanthin	10 % minimum
Solubility	Soluble in organic solvents (hexane, toluene, acetone, ethanol, etc.)
Loss on drying	8 % maximum
Lead	10 ppm* maximum
Arsenic	10 ppb** maximum
Mercury	5 ppb maximum
Cadmium	50 ppb maximum
Particle size (US Standard Sieves)	100 % Through Sieve No. 20 and 90 % Through Sieve No. 30
Total viable bacterial count***	3000 cfu/g maximum
Totals moulds count***	1000 cfu/g maximum
Salmonella species***	Negative

- *parts per million, **parts per billion, ***Perform the tests regularly, ****colony forming unit,



pigmentine

Stability and storage

Canthaxanthin 10% is sensitive to air, heat, light and humidity. This 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 used before' date is printed on the label.

Uses

Be used in animal feeds to enhance the yellow-orange color of egg yolk. It is also used for coloring broiler skin.

Safety

This product is not toxic.