

SPECIFICATION

Beta carotene 10 % CWS/S Food grade

Production unit

Xinchang NHU Vitamins

Description

Ingredients

Beta carotene (E160a(i)), modified starch, corn starch, Vitamin C (E301) and DL-alpha-Tocopherol (E307) as antioxidant, silicon dioxide (E551) as anti-caking agent

Synonym

β , β -Carotene

Formula

$C_{40}H_{56}$

Product code

SP06-08

CAS No

7235-40-7

Properties

Shelf life

24 months after production date, in unopened original packaging

Aspect

red microcapsule

Identification

Absorbance ratio of A455/A483: 1,14 to 1,18

Colour intensity in aqueous solution A (1 %, 1 cm) at max: 27 min. 21

Assay (GC)

≥ 10 %

Loss on drying

$\leq 5,0$ %

Solubility

Dispersible in cool water forming an emulsion

Sieve analysis

100 % through Sieve No. 20 (US)

≥ 95 % through Sieve No. 30 (US)

≥ 15 % through Sieve No. 100 (US)

Heavy metals

Arsenic (As)

< 5 mg/kg

< 1 mg/kg

Lead (Pb)

$< 0,5$ mg/kg

Mercury (Hg)

$< 0,1$ mg/kg

Cadmium (Cd)

$< 0,5$ mg/kg

Microbiological specs

Total plate count

< 1000 CFU/g

Mould and Yeast

< 100 CFU/g

E. coli

Negative in 10 g

Salmonella

Negative in 25 g

Staph. aureus

Negative in 25 g

Handling

Usage for cosmetic food industry

Storage

Should be stored in original unopened containers at a temperature below 25 °C. Once opened, use contents quickly. Store in a cool, dry place.

Transport instructions

please see our latest MSDS.

NHU EUROPE GmbH