

SPECIFICATION

Product name Betacarotene 30 % oil suspension Food Grade
Product code SPHY21/YYHY21
Production site Zhejiang NHU Company

Description

Ingredients Betacarotene (E160a(i)), sunflower oil, Alpha-Tocopherol as antioxidant (e307)
Synonym β , β -Carotene
Formula C₄₀H₅₆
Molecular weight 536,87 g/mol
CAS-No. 7235-40-7
Aspect reddish brown viscous liquid

Properties

Shelf life 48 months after production date, in unopened original packaging
Assay (UV) min. 30 %
Identification (JECFA) A₄₅₅/A₄₈₃: 1,14 – 1,18
(Beta carotene pure) A₄₅₅/A₃₄₀: min. 1,5
A₃₄₀: max. 0,08
Absorption maximum: 453-457 nm
Peroxide value max. 10 meq/kg
Sulphated Ashes max. 0,1 %

Heavy metals

≤ 5 mg/kg
Arsenic (As) ≤ 1 mg/kg
Lead (Pb) ≤ 2 mg/kg
Mercury (Hg) ≤ 0,1 mg/kg
Cadmium (Cd) ≤ 1 mg/kg

Microbiological Specs

≤ 1000 CFU/g
Total plate count
≤ 100 CFU/g
Mould and Yeast
E. coli negative (in 10 g)
Salmonella spp negative (in 25 g)
Staph. aureus negative (in 25 g)

Handling

Usage for food and cosmetic applications

Stability

Beta carotene is sensitive to oxygen, light and heat. Material must be stored in the original unopened packing.

Storage

Store in a dry place, in tight, light-resistant containers under inert gas. Recommended storage temperature below 20° C.

Transport instructions

See our latest safety data sheet.

The ingredient Beta carotene (E160(i)) complies to EP/USP/JECFA/FCC and EU 231/2012 of 9th of March 2012.

NHU EUROPE GmbH