

SPECIFICATION

Betacarotene 30 % oil suspension Food Grade

Production unit

Zhejiang NHU Company

Description

Ingredients

Betacarotene (E160a(i)), sunflower oil, Alpha-Tocopherol as antioxidant (e307)

Synonym

β, β-Carotene

Formula

C₄₀H₅₆

Product Code

YYHY21/SPHY21

CAS-No.

7235-40-7

Aspect

reddish brown viscous liquid

Properties

Shelf life

48 months after production date, in unopened original packaging

Assay

min. 30 %

Identification (JECFA) (Beta carotene pure)

A₄₅₅/A₄₈₃: 1,14 – 1,18

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

Total plate count

≤ 1000 CFU/g

Mould and Yeast

≤ 100 CFU/g

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

Beta carotene 30 %/YYHY21/SPHY21/üa und fgg: 210223/av

Bank account EUR
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