

## 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

C<sub>40</sub>H<sub>56</sub>

#### 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)

A<sub>455</sub>/A<sub>483</sub>: 1,14 – 1,18

A<sub>455</sub>/A<sub>340</sub>: min. 1,5

A<sub>340</sub>: 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 9<sup>th</sup> of March 2012.

## NHU EUROPE GmbH

*Beta carotene 30 %/YYHY21/SPHY21/üa und fgg: 131221/av*

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