



Beta-carotene 0.3% E160a

1. C.I. No. 40 800 **CAS-No.** 7235-40-7

2. Product Description/Production:

Dissolution of β -carotene in sunflower oil

Ingredients: sunflower oil, β -carotene E160a(i), antioxidants alpha-tocopherol (E307) and ascorbyl palmitate (E304(i))

3. Sensoric Properties:

Texture: liquid

Colour: dark yellow

Flavour/Taste: characteristic

4. Chemical and physical data:

Solubility: in vegetable oils in any proportion

Dye content: 0.29 - 0.30 % β -carotene

Specific gravity at 20°C: 0.91 - 0.93 g/ml

Viscosity at 20°C (Brookfield): max. 100 mPa.s

Colour intensity: $E_{453}^{1\%} = 7.3 - 7.5$ in dichlormethane/ethanol

5. Microbiological Properties:

Total plate count: < 100 /g

Yeast and mould: < 10 /g

Enterobacteriaceae: < 1 /g

Salmonella: negative /25g

6. Purity:

a) aromatic und halogenated carbohydrates: not detectable

b) pesticides: The product complies with the German and European guidelines for residues of pesticides.

c) mycotoxins: The product complies with the German and European guidelines for mycotoxins

d) heavy metals:

arsenic: max. 1 ppm

lead: max. 1 ppm

mercury: max. 1 ppm

cadmium: max. 1 ppm

e) The product complies with the FAO/WHO purity requirements and EC legislation for food additives.

7. Packaging: 1 litre

8. Storage: at 5 - 15 °C, protected from light and tightly closed

9. Best before: 9 months

Brouwland

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