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SPECIFICATION

Product name Beta carotene Food grade **Product code** SPHS03 Production site Shangyu NHU Biochem Trade name Beta carotene 98 % E160a(i) Food grade (EP/USP) Description Synonym β, β-Carotene Formula C40H56 CAS No 7235-40-7 **Properties** Shelf life 12 months after production date, in unopened original packaging a brown-red or brownish-red, crystalline powder, Aspect practically insoluble in water, slightly soluble in cyclohexane and ether, practically insoluble in ethanol Assay ≤ 98 - 101 % Melting range 176 – 182 °C Loss on drying max. 0,2 % Subsidiary colouring matters Carotenoids other than beta-carotene not more than 3,0 % of total colouring matters (JECFA) Absorbance ratio 455 nm/483 nm 1,14 - 1,19 (JECFA) 455 nm/340 nm \geq 1,5 (JECFA) OVI meets USP requirements Sulphated ash Max. 0,1 % (JECFA) **Heavy metals** Max. 1 mg/kg

Arsenic (As) Lead (Pb) Mercury (Hg) Cadmium (Cd)

Microbiological specs

Total plate count Mould and Yeast E. coli Salmonella ≤ 1000 CFU/g ≤ 100 CFU/g < 0,3 MPN/g negative in 25 g

Max. 1 mg/kg

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Max. 0,1 mg/kg

Bank account EUR Deutsche Bank AG DE 53 2407 0075 0019 5222 00 DEUTDE2H240 Bank account USD Deutsche Bank AG DE 53 2407 0075 0019 5222 0005 DEUTDE2H240 NHU EUROPE GMBH VAT Nr: DE 300 149 623 I Company license Nr: HRB 205610 District Court: Lüneburg/Germany General Manager: Thomas Hoops



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Handling

Usage	for food and cosmetic use
Stability	Preserve in airtight, light-resistant container. Product is sensitive to air, heat and light, especially in solution.
Storage	Recommended storage temperature is <25 °C.
Transport instructions	See our latest safety data sheet

Product complies to EU 231/2012 of 9th of March 2012, USP, EP9.6, FCC9 and JECFA.

NHU EUROPE GmbH

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