

National Food Safety Standard Food Additive β -carotene

1. Scope

This standard is applicable to the chemically synthesized food additive β -carotene with vitamin A acetate as starting materials.

2. Chemical Name, Molecular Formula, Structural Formula and Relative Molecular Mass

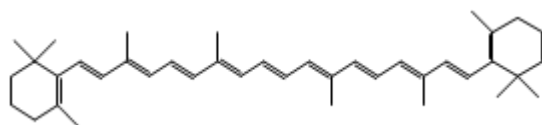
2.1 Chemical name

All-trans-1,1'- (3,7,12,16 - tetramethyl -1,3,5,7,9,11,13,15,17 - 18 C 9-ene -1,18 - 2-yl) bis [2,6,6 - trimethyl cyclohexene]

2.2 Molecular formula

$C_{40}H_{56}$

2.3 Structural Formula



2.4 Relative Molecular Mass

536.88 (according to international relative atomic mass in 2007)

3. Technical Requirements

3.1 Sensory requirements: should comply with the provisions in Table 1.

Table 1 Sensory requirements

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