

DSM Nutritional Products**Product Data Sheet**

Apocarotenal 20% S

Description

Apocarotenal 20% S is a dark brown, oily liquid containing micronized crystals of apocarotenal dispersed in corn oil. *d*- α -Tocopherol is added as an antioxidant.

Product identification

Product code: 04 8093 2

Chemical names: 8'-apo- β -carotene-8'-al; *trans*-17-(2',6',6'-trimethylcyclohexen-1'-yl)-2,6,11,15-tetramethylheptadecaene-(2,4,6,8,10,12,14,16)-al(1)

Synonyms: 8'-apo- β -carotenal; apocarotenal

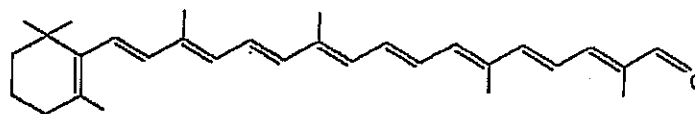
CAS No.: 1107-26-2

EINECS No.: 214-171-6

E No.: E 160e

Empirical formula: C₃₀H₄₀

Molecular mass: 416.65 g/mol



Specifications

Appearance: dark brown, oily liquid

Light absorption in cyclohexane:

Maximum absorption: at 458–462 nm

Relative extinction at 332 nm: max. 0.080

Apocarotenal content: min. 20%

Solubility

Apocarotenal 20% S is slightly soluble in oils and fats. A suitable stock solution can be prepared by heating the suspension with a peroxide-free vegetable oil (30 g of apocarotenal 20% suspension per litre) at 45 to 50 °C.

Stability and storage

Apocarotenal 20% S is sensitive to air, heat and light. The product may be stored for 36 months from the date of manufacture in the unopened original container (which is sealed under inert gas) and at a temperature below 15 °C. The 'best used before' date is printed on the label. Keep container tightly closed. Once opened, use contents quickly.

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Uses

As a colouring agent for margarine, fats, oils and various food preparations.

Safety

This product is safe for the intended use. Avoid ingestion or direct contact by applying suitable protective measures and personal hygiene.

For full safety information and necessary precautions, please refer to the respective DSM Material Safety Data Sheet.

Legal notice

The information given in this publication is based on our current knowledge and experience, and may be used at your discretion and risk. It does not relieve you from carrying out your own precautions and tests. We do not assume any liability in connection with your product or its use. You must comply with all applicable laws and regulations, and observe all third party rights.

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