

Vitamin E-Acetate SD 50

Chemical names of active ingredient

all-rac- α -tocopheryl acetate,
DL-alpha-tocopheryl acetate,
DL-alpha-tocopherol acetate, all-rac-alpha-tocopherol
acetic acid ester, racemic 5,7,-trimethyltocol acetate

CAS-No. 7695-91-2

EINECS-No. 231-710-0

PRD-No.
30041058*

* The product is kosher.

Article

50047396 25 kg bag in box

Country of origin
Germany

Units

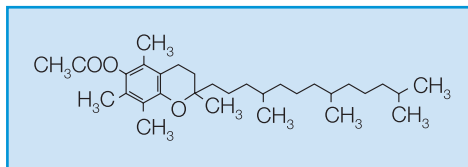
1 mg DL (=all-rac)- α -tocopheryl acetate
= 0.455 mg D (=RRR)- α -tocopherol equivalent
= 1 International Unit (IU)

Description

White to creamy-white powder with a characteristic
mild odor.

Composition

Ingredients in descending order of weight:
DL-alpha-tocopheryl acetate (vitamin E-acetate),
lactose, sodium caseinate, tricalcium
phosphate (E 341), mono- and diglycerides of
fatty acids (E 471).



C₃₁H₅₂O₃

Molar mass 472.8 g/mol

Solubility

The product can be dissolved both in cold (10 °C)
and warm (35 – 40 °C) water, to form a stable milky
emulsion. It is virtually insoluble in organic solvents.

Specification

Assay min. 50.0% DL (=all-rac)-alpha-tocopheryl
acetate (= 500 mg/g vitamin E)

For further information see separate document:
“Standard Specification” (not for regulatory
purposes) available via BASF’s WorldAccount:
<https://worldaccount.basf.com> (registered access).

Monographs

The active ingredient complies with the current “All-
rac-alpha-tocopheryl acetate” Ph. Eur., “Vitamin
E” USP, and “All-rac-alpha-tocopheryl acetate”
FCC monographs.

Regulations

The product meets the regulatory requirements
for a vitamin E source in most countries. How-
ever, regulations on the ingredients used in the
respective countries and for the intended use
have to be observed.

Bulk density

0.4 – 0.55 g/ml

Stability

Stored in its unopened original packaging at room temperature (max. 25 °C), the product is stable for at least 36 months.

Storage/Handling

The product should be stored tightly sealed in the original packaging at max. 25 °C, in a dry place.

Applications

Dietary supplements:

The product is suitable for the direct compression of chewable tablets, sugar- and film-coated tablets, as well as hard capsules. Due to its excellent dispersibility in cold water, it is also ideal for use in preparations, which need to be dissolved or dispersed in water prior to use, such as low-acid or acid-free instant-drink granules.

Food products:

Food products, e.g., dairy products, food intended for sports people, as well as vitamin mixtures for the food industry. The content of milk protein in the product may trigger a reaction with acid resulting in undesirable precipitates. Therefore, it is not suitable for the production of acidic juices, effervescent tablets, and instant-drink granules.

Note

Vitamin E-Acetate SD 50 must be handled in accordance with the Safety Data Sheet.

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