

# Vitamin A-Acetate 2.8 Mio IU/G unstab.

## Chemical names of active ingredient

Retinyl acetate, all-trans retinol acetic acid ester, all-trans-retinyl acetate

**CAS-No.** 127-47-9

**EINECS-No.** 204-844-2

**PRD-No.**  
30041023\*

\* The product is kosher and halal.

## Article

50096568 50 kg steel drum

## Country of origin

Germany

## Units

1 International Unit (IU) = 0.344 µg  
vitamin A-acetate

## Description

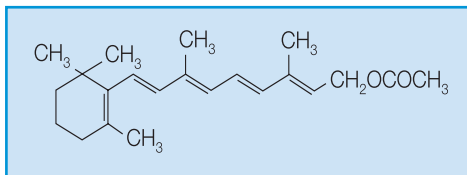
Amorphous to crystalline, opaque yellow at room temperature and recommended storage temperature, with a mild odor. The product is packed under inert gas.

## Composition

Retinyl acetate (vitamin A-acetate)

## Solubility

Soluble in hydrocarbons, chlorinated hydrocarbons, ethers, fats, and oils. The solvent should not contain peroxides. Insoluble in water.



$C_{22}H_{32}O_2$

Molar mass 328.5 g/mol

## Specification

Assay	min. 2.8 million IU vitamin A (= 840,000 µg RAE) per gram
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For further information see separate document: "Standard Specification" (not for regulatory purposes) available via BASF's WorldAccount: <https://worldaccount.basf.com> (registered access).

Unless otherwise stated, the methods of analysis can be found in the Ph. Eur.

## Monographs

The product complies with the current "Vitamin A concentrate (oily form), synthetic" Ph. Eur., "Vitamin A" USP, FCC III and "Vitamin A concentrate Oil" IP monographs.

## Regulations

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

## Stability

Stored in its unopened original packaging in a cool (max. 15 °C), dry place, Vitamin A-Acetate 2.8 million IU/g is stable for at least 36 months.

## Storage/Handling

As vitamin A is sensitive to atmospheric oxygen, light, moisture, and heat, it should be stored in a cool (max. 15 °C), dark place in the unopened original packaging. Once opened, it is recommended to flush the packaging with an inert gas and to use the remaining contents as quickly as possible.

Prior to use or sampling, the product must be heated to 70 – 80 °C in the unopened container in a water bath and homogenized.

## Applications

### Dietary supplements:

For preparations with a lipophilic base, e.g., soft gelatin capsules.

### Pharmaceutical products:

EU Drug Master File is available. Suitable for use in pharmaceutical applications, where a European ASMF and CEP is accepted.

### Food products:

Used for the fortification of fats (margarine and spreads) and oils. Quantities of 3–9 mg (10,000–30,000 IU) of vitamin A (calculated as retinol) is usually added per kg of margarine.

## Note

Vitamin A-Acetate 2.8 Mio IU/G unstabilized must be handled in accordance with the Safety Data Sheet.

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