

Dry Vitamin A Acetate 325 GFP

Human Nutrition

 **BASF**
The Chemical Company

Chemical names

Retinyl acetate, all-trans retinol acetic acid ester

CAS No.	127-47-9
EINECS No.	204-844-2

Product number

10305694 kosher

Description

Free-flowing, light yellow powder, consisting of spherical particles.

Composition

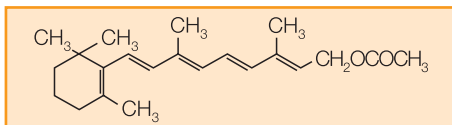
The powder particles contain vitamin A acetate in droplets of 1-2 μm embedded in a matrix of gum arabic (E 414) and sucrose, coated with starch. The product contains DL-alpha-tocopherol (E 307, USP/FCC) as antioxidant and tricalcium phosphate (E 341) as an anti-caking agent.

Solubility

The product can be dispersed in cold water with temperatures as low as 10°C, to form a stable milky emulsion.

Specifications

Appearance:	conforms
Assay:	min. 325,000 IU vitamin A (= 97,500 RE) per gram
Identification:	conforms
Loss on drying:	max. 5% (4 hours at 105°C)



$\text{C}_{22}\text{H}_{32}\text{O}_2$

Molar mass 328.5 g/mol

Monographs

The product complies with the current "Vitamin A concentrate (powder form), synthetic" Ph.Eur. and "Vitamin A" USP monographs.

Particle-size distribution

100% smaller than 850 μm (20 mesh USP)
min. 90% smaller than 425 μm (40 mesh USP)
max. 15% smaller than 150 μm (100 mesh USP)

Bulk density

Approx. 0.6 g/ml

Stabilization/Stability

The product is stabilized with DL-alpha-tocopherol (E 307). It is sensitive to moisture, atmospheric oxygen, heat and light.

Stored in the original packaging in a cool (8-15°C), dry place, the product is stable for at least 24 months.

Standard packaging

5 and 25 kg.

Please see appendix I for further information.

Storage

The product should be stored in the original packaging in a cool (8-15°C), dark, dry place.

Applications

Food products:

For fortifying powder products such as food for babies and children, except for non cereal based Infant Food formulations in the EU, dietetic products and dried milk as well as vitamin mixtures for the food industry. As it does not contain proteins, the product is very suitable for use in hypoallergenic food products.

Dietary supplements:

For use in multivitamin preparations where cold water dispersability is required.

Note

Dry Vitamin A Acetate 325 GFP must be handled in accordance with the Safety Data Sheet.

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests: neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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