Lutavit® A 1000 NXT

Vitamin A acetate powder (beadlets)

Chemical name(s) of active ingredient
Vitamin A acetate (retinyl acetate)

PRD
30852069

Article	
50855562	20 kg plastic bag

Specification	
Content	min. 1,000,000 I.U./g of vitamin A (HPLC)

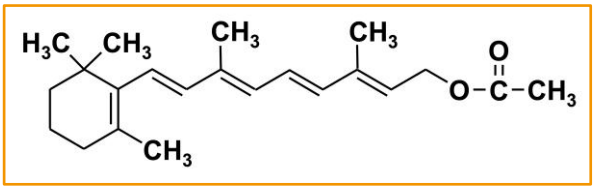
Other chemical and physical data	
Loss on drying	max. 5%
Formulation	powder
Particle size	min. 97% < 0.8 mm
Bulk density	about 0.55 g/cm^3
Composition	vitamin A is incorporated in finely dispersed form into a matrix of gelatin and carbohydrates and stabilized with antioxidants

For further information see Product Specification (not for regulatory purposes) available in BASF's MyBASFWorld:

https://my.basf.com/

Stability and storage
Lutavit® A 500 NXT, Lutavit® A 1000 NXT, as well as Lutavit® A/D31000/200 NXT are stabilized (coated) vitamin products. Substantially stable during thermal processing, depending on temperature.

The following factors provide a good stability:
- Esterification of retinol with acetic acid to the more stable retinyl acetate
- Addition of antioxidants and other stabilizing agents
- Incorporation of the vitamin A droplets in microdispersed form in a gelatin-carbohydrate matrix by means of a special spray and formulation technique



$C_{22}H_{32}O_2$ **328.5 g/mol**

For good flowability and to avoid lump formation, the dry powder particles are additionally treated with an anticaking agent. The stability of vitamin A in mixed and mineral feeds or premixes can be lower than in the commercial product. In mixtures of active mineral ingredients vitamin A stability can be impaired by trace element content, which is often high. Above all, hydrates of trace elements contribute to reduced vitamin A stability, which can be further affected by a high moisture content in the total mixture. Even technological processes in the formulation of mixed feeds such as pelleting and extrusion have a negative influence on the stability of vitamin A.

The product can be kept for at least 18 months in the unopened, original packaging at a storage temperature ≤15 °C.

Handling
Carefully close the packaging after removing partial amounts.

Application
Lutavit® A 1000 NXT is used for the vitaminization of various types of feeds. It is highly suitable for various types of vitamin blends, premixes, mineral, and mixed feeds. The flowability and mixing behavior of the products is excellent and ensures homogeneous mixing.

Dosage recommendations
Please refer to BASF's Technical Handbook for Animal Nutrition, chapter “Vitamins - Vitamin A”.

Note
Vitamin A occurs in a biologically highly active form. The product should be processed with all due care and attention to occupational hygiene following the instructions in the safety data sheet.

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