Lutavit® E 50

Active ingredient
Vitamin E acetate (dl-α-tocopheryl acetate)

Product number
10077023

PRD number
30040915

Specification
Content
at least 50% vitamin E acetate (GC, according to USP method)

Other chemical and physical data
Loss on drying
not more than 5%

Appearance
fine, white to off-white, free flowing powder

Particle size
at least 96% < 0.35 mm

Bulk density
about 0.45–0.60 g/cm³

Composition
adsorbate based on colloidal silica

Solubility
insoluble in water; on addition of water the oily vitamin E acetate is set free on the surface

Residue on ignition
45–46% (at 600°C)

Stability
In mixtures, vitamin E losses can occur depending on the composition (for example higher trace elements content) and the production and storage conditions (pelleting, action of heat). These active substance losses are particularly important in the presence of strong vitamin stress factors (moisture, choline chloride, trace elements) and in alkaline medium (high contents of magnesium oxide). In critical mixtures, Lutavit E 50 S should be employed to improve the vitamin E stability. The vitamin stability of this coated product is somewhat better under stress conditions than that of vitamin E adsorbates.

Areas of application
Lutavit E 50 is used for the vitaminization of all types of feed. It is very readily miscible and, because of its large particle number per unit of weight, particularly highly suitable for premixtures, mineral feeds and for mixed feed. Lutavit E 50 S is very easily dispersible in cold water.

The milky emulsion which is formed is stable. The mixing behavior of the powder in premixes and feeds is excellent. Because of its high particle number and good dispersibility in water, Lutavit E 50 S is particularly highly suitable for:
1. feed mixtures having high contents of choline chloride, trace elements and alkaline substances,
2. milk replacers for piglets, calves and other animals,
3. water-dispersible multivitamin mixtures which are administered directly via the drinking water.

Packaging/shelf-life
Stored under cool, dry conditions in unopened original packages the product can be kept for at least 24 months.

Note
Vitamin E exists in a biologically highly active form. When processing the powder, the customary care in terms of occupational hygiene should therefore take place. The instructions of the safety data sheet should be observed.

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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