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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 9454-2017

**Feed additive -- DL- α -tocopheryl acetate
(English Translation)**

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280 ° C;

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Foreword

The first chapter of this standard, Chapter 3 and Chapter 5 is mandatory, the rest are recommended.

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 9454-2008 "feed additive vitamin E".

This standard compared with GB/T 9454-2008, the main technical differences are as follows.

--- The standard name changed from "Feed Additive Vitamin E" to "Feed Additive DL-alpha-Tocopherol Acetate";

--- DL-alpha-tocopherol acetate content from $\geq 92.0\%$ modified to $\geq 93.0\%$;

--- Acidity from the original 1g sample consumed 0.1mol/L sodium hydroxide shall not exceed 2.0mL revised to 1g sample consumption

0.1mol/L sodium hydroxide can not exceed 1.0mL;

--- Increased health indicators arsenic requirements and the corresponding determination method;

--- Increased specific rotation and peak identification;

--- The original standard first method (Arbitration Law) only retained by capillary gas chromatography, column packed gas chromatography was removed, and the internal standard more

Hexadecanoate to hexadecanoate;

--- Capillary gas chromatography chromatography conditions increased shunt ratio 20. 1,

flow rate was changed to 2mL/min, column temperature was changed to 270 °C ~

280 ° C;

--- Factory inspection from "all the indicators specified in this standard for the factory inspection items" to "Chapter 3 listed in the project, the appearance and character, DL-alpha-tocopheryl acetate content, refractive index, specific rotation, absorption coefficient, acidity and tocopherol as the factory inspection items. "

This standard is proposed and managed by the National Feed Industry Standardization Technical Committee (SAC/TC76).

This standard was drafted unit. Zhejiang Veterinary Drug Feed Supervision, China Feed Industry Association, Shanghai Veterinary Drug Feed Inspection, Zhejiang and new Co., Ltd., Zhejiang Pharmaceutical Co., Ltd.

1 Scope

This standard specifies the requirements of feed additives DL-alpha-tocopheryl acetate, test methods, inspection rules and labeling, packaging, transportation, Storage and shelf life.

This standard applies to isophytol alcohol-based raw materials, the chemical synthesis of feed additive DL-alpha-tocopherol acetate.

Chemical Name. DL-2,5,7,8-Tetramethyl-2- (4,8,12-trimethyltridecyl) -6-chromanol acetate
Molecular formula .C₃₁H₅₂O₃

Relative molecular mass .472.74 (By International Relative Atomic Mass in.2007)

Structure.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 601 chemical reagent standard titration solution preparation

GB/T 603 chemical reagent test methods used in the preparation of preparations and products

GB/T 6682 analytical laboratory water specifications and test methods

GB 10648 feed label

GB/T 14699.1 feed sampling

3.1 Appearance and traits

This product is slightly greenish yellow or yellow viscous liquid, almost odorless, case of light color gradient deep; This product in ethanol, acetone, ether or petroleum

Ether soluble, insoluble in water.

3.2 Specifications

Technical indicators should meet the requirements of Table 1.

END: Draft Version (GB 9454-2017)