

DIN EN 17547:2022-01 (E)

Animal feeding stuffs: Methods of sampling and analysis - Determination of vitamin A, E and D content - Method using solid phase extraction (SPE) clean-up and high-performance liquid chromatography (HPLC)

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Principle	6
5	Reagents and materials	8
6	Apparatus	9
7	Sampling	10
8	Sample preparation	11
9	Procedure	11
10	Expression of results	21
11	Observations	24
12	Precision	25
13	Test report	26
Annex A (informative) Examples of combinations of weighing, aliquot and dilution to reach concentrations within the calibration curve		27
Annex B (informative) Preparation of stock standard solution of vitamin E (-tocopherol) from - tocopherol acetate		30
B.1	General	30
B.2	Reagents	30
B.3	Preparation of stock standard	30
B.4	Standardization of the vitamin E (-tocopherol) stock standard solution in cyclohexane	30
B.5	Calibration solutions and plotting of calibration graph for vitamins A (retinol) and E (- tocopherol)	31
Annex C (informative) Results of the interlaboratory study		32
Bibliography		37