DIN EN 16158:2012-05 (E)

Animal feeding stuffs - Determination of semduramicin content - Liquid chromatographic method using a "tree" analytical approach

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Principle 4

4 Reagents 4

5 Apparatus 7

6 Sampling 8

7 Preparation of test sample 8
7.1 General 8
7.2 Laboratory sample 9
7.3 Test sample 9
7.4 Test portion 9

8 Procedure 9
8.1 Preparation of positive and negative control samples 9
8.2 Samples extraction 9
8.3 Filtration 9
8.4 HPLC analysis 9
8.4.1 LC-MS 9
8.4.2 LC-PCD-UV 11
8.5 HPLC determination 13
8.5.1 LC-MS method 13
8.5.2 LC-PCD-UV method 13
8.5.3 System suitability 13

9 Calculation 14
9.1 LC-MS method 14
9.2 LC-PCD-UV method 14

10 Precision 15
10.1 Collaborative study 15
10.2 Repeatability 15
10.3 Reproducibility 15

11 Test report 16

Annex A (informative) Results of collaborative study 17

A.1 Procedure 17
A.2 Statistical analysis of results 18
A.3 Example chromatogram 22

Bibliography 25