DIN EN 16277:2012-09 (E)

Animal feeding stuffs - Determination of mercury by cold-vapour atomic absorpt ion spectrometry (CVAAS) after microwave pressure digestion (extraction with 65 % nitric acid and 30 % hydrogen peroxide)

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Principle 4

4 Reagents 4

6 Procedure 7

7 Calculation 9

8 Precision 9

9 Test report 10

Annex A (informative) Results of the interlaboratory tests 11

Annex B (informative) Flowchart - Determination of mercury by CVAAS after microwave digestion 12

Annex C (informative) Alternative digestion procedure with the same extraction efficiency: Acid digestion with a mixture of 65 % nitric acid and 70 % perchloric acid (7:3 v/v) at atmospheric pressure 13

Annex D (informative) Alternative digestion procedure with the same extraction efficiency: Acid digestion with a mixture of 65 % nitric acid, 37 % hydrochloric acid and 30 % hydrogen peroxide under reflux 15

Bibliography 16