DIN EN ISO 9233-1:2018-08 (E)

Cheese, cheese rind and processed cheese - Determination of natamycin content - Part 1: Molecular absorption spectrometric method for cheese rind (ISO 9233-1:2018)

Contents

Page

European foreword ... **3**

Foreword ... **4**

1 Scope ... **6**

2 Normative references ... **6**

3 Terms and definitions ... **6**

4 Principle ... **6**

5 Reagents ... **7**

6 Apparatus ... **7**

7 Sampling ... **8**

8 Preparation of test sample ... **8**
8.1 Cheese rind ... 8
8.2 Cheese interior ... 8

9 Procedure ... **9**
9.1 Test portion ... 9
9.1.1 Cheese rind ... 9
9.1.2 Cheese interior ... 9
9.2 Preparation of test solution ... 9
9.2.1 Cheese rind ... 9
9.2.2 Cheese interior ... 9
9.3 Determination ... 10
9.3.1 Determination and detection limits ... 10
9.3.2 UV absorbance of natamycin standard working solution ... 10
9.3.3 Test solution ... 10
9.3.4 Low natamycin content ... 10

10 Calculation and expression of results ... **11**
10.1 Calculation of natamycin mass fraction ... 11
10.2 Calculation of absorbance ... 11
10.3 Calculation of surface-area-related natamycin mass ... 12
10.4 Correction of results ... 12
10.5 Expression of results ... 12

11 Precision ... **12**
11.1 Interlaboratory tests ... 12
11.2 Repeatability ... 12
11.3 Reproducibility ... 13

12 Test report ... **13**

Annex A (informative) **Examples** ... **14**

Annex B (informative) **Results of interlaboratory trial** ... **18**

Bibliography ... **19**