DIN EN ISO 12228-2:2015-02 (E)

Determination of individual and total sterols contents - Gas chromatographic method - Part 2: Olive and olive pomace oi ls (ISO 12228-2:2014)

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Termsanddefinitions 4

4 Principle 5

5 Reagents 5

6 Apparatus 6

7 Sample 7
7.1 Sampling 7
7.2 Preparation of the test sample 7

8 Procedure 7
8.1 Test portion 7
8.2 Preparation of unsaponifiable matter 7
8.3 Separation of the sterol and triterpene dialcohols (erythrodiol, uvaol) fractions by TLC 8
8.4 Preparation of the trimethylsilyl ethers 9
8.5 Gas chromatographic analysis 9

9 Expression of results 10
9.1 Quantitative evaluation 10
9.2 Determination of the total sterol content 11
9.3 Composition of sterols 11
9.4 Composition of triterpene dialcohols 11

10 Precision 12
10.1 Interlaboratory test 12
10.2 Repeatability limit, r 12
10.3 Reproducibility limit, R 12

11 Test report 12

Annex A (informative) Figures 13

Annex B (informative) Interlaborative trial 16

Bibliography 19