ISO 21846:2025-10 (E)

Vegetable fats and oils - Determination of composition of triacylglycerols and composition and content of diacylglycerols by capillary gas chromatography

Contents

Page

Foreword ..... **iv**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Principle **1**

5 Apparatus **2**

6 Reagents **2**

7 Procedure **3**

7.1 Gas chromatographic apparatus and capillary column condition 3

7.2 Choice of operating conditions 3

7.3 Performance of the analysis 3

7.4 Peak identification 3

7.5 Determination of percentage content of each triacylglycerol class 3

7.6 Determination of percentage content of each 1,2 diacylglycerol 4

7.7 Determination of weight percentage total content of diacylglycerols 4

8 Expression of results **4**

9 Precision of the method **5**

9.1 Repeatability, *r* 5

9.2 Reproducibility, *R* 5

10 Test report **5**

Annex A (informative) **Examples of a typical chromatograms** **6**

Annex B (informative) **Results of an interlaboratory test** **11**

Bibliography **13**