

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, <i>r</i>		5
9.2 Reproducibility, <i>R</i>		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