

DIN EN ISO 12872:2022-12 (E)

Olive oils and olive-pomace oils - Determination of the 2-glycerol monopalmitate content (ISO 12872:2022)

Contents	Page
European foreword	3
Foreword	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Principle	6
5 Reagents	6
6 Apparatus	8
7 Sampling	9
8 Preparation of the test sample	9
9 Procedure	9
9.1 Preparatory steps.....	9
9.2 Column chromatography.....	10
9.2.1 Conventional procedure.....	10
9.2.2 Procedure when ready-to-use silica SPE cartridges are employed.....	10
9.3 Hydrolysis with pancreatic lipase.....	10
9.4 Preparation of the silylated derivatives and gas chromatography.....	10
9.5 Gas chromatography.....	10
9.5.1 Operating conditions.....	10
9.5.2 Identification of peaks.....	11
9.5.3 Quantitative evaluation.....	11
10 Expression of results	11
11 Precision	11
11.1 Interlaboratory test.....	11
11.2 Repeatability.....	11
11.3 Reproducibility.....	11
12 Test report	12
Annex A (informative) Chromatograms	13
Annex B (informative) Results of interlaboratory test and comparison study	16
Annex C (informative) Preparation and activity of the lipase	18
Bibliography	20