

# ISO 12872:2022-08 (E)

## Olive oils and olive-pomace oils - Determination of the 2-glycerol monopalmitate content

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Principle .....	1
5	Reagents .....	1
6	Apparatus .....	3
7	Sampling .....	4
8	Preparation of the test sample .....	4
9	Procedure .....	4
9.1	Preparatory steps .....	4
9.2	Column chromatography .....	5
9.2.1	Conventional procedure .....	5
9.2.2	Procedure when ready-to-use silica SPE cartridges are employed .....	5
9.3	Hydrolysis with pancreatic lipase .....	5
9.4	Preparation of the silylated derivatives and gas chromatography .....	5
9.5	Gas chromatography .....	5
9.5.1	Operating conditions .....	5
9.5.2	Identification of peaks .....	6
9.5.3	Quantitative evaluation .....	6
10	Expression of results .....	6
11	Precision .....	6
11.1	Interlaboratory test .....	6
11.2	Repeatability .....	6
11.3	Reproducibility .....	6
12	Test report .....	7
Annex A (informative) Chromatograms .....		8
Annex B (informative) Results of interlaboratory test and comparison study .....		11
Annex C (informative) Preparation and activity of the lipase .....		13
Bibliography .....		15