

# ISO 17678:2010-02 (E)

## Milk and milk products - Determination of milk fat purity by gas chromatographic analysis of triglycerides (Reference method)

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
1	Scope .....	1
2	Normative references .....	2
3	Terms and definitions .....	2
4	Principle .....	2
5	Reagents .....	2
6	Apparatus .....	3
7	Sampling .....	4
8	Procedure .....	4
8.1	Preparation of test samples .....	4
8.2	Preparation of fat sample solution .....	5
8.3	Chromatographic triglyceride determination .....	5
9	Integration, evaluation and control of the analytical performance .....	8
10	Calculation and expression of results .....	9
10.1	Triglyceride composition .....	9
10.2	S-values .....	10
10.3	Detection of foreign fat .....	10
11	Precision .....	11
11.1	Interlaboratory test .....	11
11.2	Repeatability .....	11
11.3	Reproducibility .....	12
12	Test report .....	12
Annex A (normative) Preparation of the packed column .....		13
Annex B (informative) Quantification of the foreign fat content .....		17
Annex C (informative) Uncertainty of measurement .....		19
Annex D (informative) Interlaboratory test .....		20
Bibliography .....		22