ISO/TS 17306:2016-02 (E)

Petroleum products - Biodiesel - Determination of free and total glycerin and mono-, di- and tracylglycerols by gas chromatography

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Principle 2

5 Apparatus 2

6 Reagents and materials 3

7 Preparation of the apparatus 3

8 Sampling 4

9 Preparation of the standard solutions 4
9.1 Preparation of the stock solutions 4
9.2 Preparation of the calibration curve 5
9.3 Preparation of the sample 6
9.4 Procedure 7

10 Calculation and expression of results 8

11 Precision 10
11.1 General 10
11.2 Repeatability, r 10
11.3 Reproducibility, R 10

12 Test report 11

Annex A (normative) Check chromatograms 12

Annex B (normative)Calculationofthecoefficientsfordeterminationofthecombined glycerol 16

Annex C (informative) Information on interlaboratory study 20

Bibliography 21