DIN EN 14078:2010-04 (E)

Liquid petroleum products - Determination of fatty methyl ester (FAME) content in middle distillates - Infrared spectrometr y method

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Principle 4

4 Reagents and materials 5

5 Apparatus 5

6 Sampling and sample handling 5

7 Procedure 5
7.1 Selection and treatment of the cell 5
7.2 Cleaning of the cells 6
7.3 Selection of the path length 6
7.4 Calibration 6
7.5 Recording of infrared spectra 7

8 Calculation 8
8.1 Calculation of FAME content in grams per litre (g/l) 8
8.2 Unit conversion from FAME content from g/l to % (V/V) 9

9 Expression of results 9

10 Precision 9
10.1 General 9
10.2 Repeatability, r 9
10.3 Reproducibility, R 9

11 Test report 10

Annex A (informative) Specific adjustments for calibration and dilution 11

Bibliography 14