

DIN EN 16294:2013-02 (E)

Petroleum products and fat and oil derivatives - Determination of phosphorus content in fatty acid methyl esters (FAME) - Optical emission spectral analysis with inductively coupled plasma (ICP OES)

Contents

	Page
Foreword	3
1 Scope	4
2 Normative references	4
3 Principle	4
4 Reagents	4
5 Apparatus	5
6 Sampling	6
7 Preparation of calibration solutions	6
7.1 General	6
7.2 Internal standard solution	6
7.3 Calibration solutions	6
8 Calibration	7
8.1 General	7
8.2 Calibration of the ICP OES spectrometer	7
8.3 Procedure A	7
8.4 Procedure B	8
8.5 Check of calibration	8
9 Sample analysis	9
9.1 Sample preparation	9
9.2 Sample measurement	9
10 Calculation	10
10.1 Procedure A	10
10.2 Procedure B	10
11 Expression of result	10
12 Precision	10
12.1 General	10
12.2 Repeatability	10
12.3 Reproducibility	11
13 Test report	11
Bibliography	12