

ISO 20424:2019-11 (E)

Fatty acid methyl esters (FAME) - Determination of sulfur content - Inductively coupled plasma optical emission spectrometry (ICP-OES) method

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	1
5	Reagents and materials	2
6	Apparatus	2
7	Sampling	2
8	Preparation of stock solution and calibration solution	3
8.1	Stock solution	3
8.2	Preparation of the calibration solutions	3
8.2.1	Blank solution for sulfur	3
8.2.2	Calibration sample set	3
9	Calibration	4
10	Procedure	4
10.1	Sample preparation	4
10.2	Instrument optimization	4
10.3	Sample measurement	4
11	Expression of the results	5
12	Quality control	5
13	Precision	5
13.1	Interlaboratory study	5
13.2	Repeatability, r	5
13.3	Reproducibility, R	6
14	Test report	6
Annex A (normative) Calculation of the concentration of low viscosity oil in the blank solution		7
Annex B (informative) Interlaboratory study -- Used FAME samples to provide precision data		9
Bibliography		10