

ISO 16591:2010-12 (E)

Petroleum products - Determination of sulfur content - Oxidative microcoulometry method

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Principle	2
4	Reagents and materials	2
5	Apparatus	3
6	Samples and sampling	5
7	Apparatus preparation	5
7.1	Titration cell	5
7.2	Microcoulometer and recorder	6
7.3	Heating tape	6
7.4	Typical operating conditions	6
8	Apparatus verification and calibration curve construction	6
9	Procedure	7
10	Calculation	8
11	Expression of results	8
12	Precision	8
12.1	General	8
12.2	Repeatability, r	9
12.3	Reproducibility, R	9
13	Test report	9
Annex A (informative) Determination of sulfur contents below 1 mg/kg -- Standby technique		10
Annex B (informative) Troubleshooting		11
Annex C (informative) Calculation of sulfur content from electrochemical data		13
Bibliography		15