

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