ISO/TS 15338:2025-03 (E)

Surface chemical analysis - Glow discharge mass spectrometry - Operating procedures

Contents

Page

Foreword ..... **iv**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

5 Apparatus **1**
5.1 Ion source 1
5.2 Mass analyser 5
5.3 Detector system 5

6 Routine operations **6**
6.1 Cleaning the system 6
6.2 Support gas handling 6

7 Calibration **7**
7.1 Mass calibration 7
7.2 Detector calibration 7
7.3 Routine checks 8

8 Data acquisition **9**
8.1 Sample preparation 9
8.2 Procedure setup 9
8.3 Data acquiring 10

9 Quantification **10**
9.1 Element integral calculation 10
9.2 Ion beam ratios 11
9.3 Fully quantitative analysis 11
9.4 Semi quantitative analysis 12
9.5 Combination of semi quantitative and quantitative analysis 12

Bibliography **13**