ISO 14707:2021-03 (E)

Surface chemical analysis - Glow discharge optical emission spectrometry (GD-OES) - Introduction to use

Contents

Page

Foreword ..... **iv**

Introduction ..... **v**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Principle **2**

5 Apparatus **2**
5.1 Glow discharge optical emission source 2
5.2 Optical unit 5
5.3 Photoelectric detectors and measuring devices 5

6 Procedure **5**
6.1 Verification tests of apparatus 5
6.1.1 General 5
6.1.2 Glow discharge source 6
6.1.3 Optical unit and electric measuring device 7
6.2 Determination 7
6.2.1 General 7
6.2.2 Preparation of the required calibration specimens 7
6.2.3 Setting up of measuring conditions and analysis of specimens 8
6.2.4 Quality check of results 8
6.2.5 Test report 8

Annex A (informative) **Safety** **10**

Bibliography **12**