ISO 20565-1:2008-12 (E)

Chemical analysis of chrome-bearing refra ctory products and chrome-bearing raw materials (alternative to the X-ray fluorescence method) - Part 1: Apparatus, reagents, dissolution and determination of gravimetric silica

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 2

3 Terms and definitions 2

4 Apparatus 2

5 Reagents 3
5.1 Stock reagents 3
5.2 Indicators 5
5.3 Standard solutions 6

6 Sample preparation 11

7 Basic procedure 12

8 Determination of loss on ignition (gravimetric) 12

9 Decomposition of the sample and preparation of solutions used in the analysis 12
9.1 General decomposition techniques 12
9.2 Dissolution methods by fusion 12
9.3 Dissolution methods by hydrofluoric acid attack 14
9.4 Separation methods by ion-exchange 16

10 Calculation and expression of test results 19
11 Examination and adoption of test results 19
12 Test report 19

Annex A (informative) References for stock solutions and blank solutions in ISO 20565-1:2008 20