DIN EN ISO 4938:2016-08 (E)

Steel and iron - Determination of nickel content - Gravimetric or titrimetric method (ISO 4938:2016)

Contents

Page

European foreword ... **3**

Foreword ... **4**

1 Scope ... **5**

2 Normative references ... **5**

3 Principle ... **5**

4 Reagents ... **5**

5 Apparatus ... **8**

6 Sampling ... **9**

7 Procedure ... **9**
7.1 Test portion ... 9
7.2 Determination ... 9
7.2.1 Preparation of the test solution ... 9
7.2.2 First nickel precipitation ... 9
7.2.3 Second nickel precipitation ... 10
7.2.4 Gravimetric determination ... 11
7.2.5 Titrimetric determination ... 11

8 Expression of results ... **12**
8.1 Methods of calculation ... 12
8.1.1 Gravimetric determination ... 12
8.1.2 Titrimetric determination ... 12
8.2 Precision ... 12

9 Test report ... **13**

Annex A (informative) **Additional information on the international interlaboratory test** ... **14**

Annex B (informative) **Graphical representation of precision data** ... **15**

Annex C (normative) **Determination of nickel in combined filtrates by atomic absorption spectrometry** ... **17**

Bibliography ... **20**