ISO 4298:2022-06 (E)

Manganese ores and concentrates - Determination of manganese content - Potentiometric method

Contents

Page

Foreword ... **iv**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Principle ... **1**

5 Reagents ... **2**

6 Apparatus ... **4**

7 Sampling ... **4**

8 Procedure ... **4**
8.1 Test portion ... 4
8.2 Blank test ... 4
8.3 Determination of hygroscopic moisture content ... 4
8.4 Decomposition of test portion ... 5
8.5 Treatment of residue ... 5
8.6 Titration ... 5

9 Expression of results ... **5**
9.1 Calculation of manganese content ... 5
9.2 General treatment of results ... 6
9.2.1 Expression of precision ... 6
9.2.2 Determination of analytical result ... 7
9.2.3 Between-laboratories precision ... 7
9.2.4 Check for trueness ... 7
9.2.5 Calculation of final result ... 8

10 Test report ... **8**

Annex A (informative) **Additional information on the international interlaboratory test** ... **9**

Annex B (normative) **Flow chart for the acceptance procedure of test results** ... **11**

Bibliography ... **12**