DIN EN ISO 10280:2026-07 (E)

Steel and iron - Determination of titanium content - Diantipyrylmethane spectrophotometric method (ISO 10280:2025)

Contents

Page

Foreword ... **iv**

1 Scope ... **1**

2 Normative references ... **1**

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

4 Principle ... **1**

5 Reagents ... **1**

6 Apparatus ... **3**

7 Sampling and preparation of the test samples ... **3**

8 Procedure ... **3**

8.1 Test portion ... 3

8.2 Blank test ... 3

8.3 Determination ... 3

8.3.1 Dissolution of the test portion ... 3

8.3.2 Treatment of insoluble residue ... 4

8.3.3 Colour development ... 4

8.3.4 Spectrophotometric measurements ... 5

8.4 Establishment of the calibration curves ... 5

8.4.1 Preparation of the calibration solutions ... 5

8.4.2 Spectrophotometric measurements ... 6

8.4.3 Calibration curves ... 6

9 Expression of results ... **7**

9.1 Method of calculation ... 7

9.2 Precision ... 7

10 Test report ... **8**

Annex A (informative) **Additional information on the international precision tests** ... **9**

Annex B (informative) **Graphical representation of precision data** ... **11**

Bibliography ... **12**