DIN EN 10179:2024-10 (E)

Steels - Determination of nitrogen (trace amounts) - Spectrophotometric method

Contents

Page

European foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 4

4 Principle 4

5 Reagents 4

6 Apparatus 7

7 Sampling 12

8 Procedure 12
8.1 Test portion 12
8.2 Blank test 12
8.3 Preparation of the steam distillation apparatus 12
8.4 Determination 13
8.4.1 Preparation of the test solution 13
8.4.2 Distillation 13
8.4.3 Development of the colour 13
8.4.4 Spectrophotometric measurements 14
8.5 Establishment of the calibration curve 14
8.5.1 Preparation of the calibration solutions 14
8.5.2 Spectrophotometric measurements 14
8.5.3 Plotting the calibration curve 15

9 Expression of results 15

10 Test report 15

Annex A (informative) Precision data 16

Bibliography 17