

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