

DIN EN 10351:2011-05 (E)

Chemical analysis of ferrous materials - Inductively coupled plasma optical emission spectrometric analysis of unalloyed and low alloyed steels - Determination of Mn, P, Cu, Ni, Cr, Mo, V, Co, Al (total) and Sn [Routine method]

Contents

Page

Foreword	3
1 Scope	4
2 Normative references	4
3 Principle	5
4 Reagents	5
5 Apparatus	8
6 Sampling	8
7 Sample solution preparation	8
8 Calibration process	9
9 Determination	12
10 Expression of results	15
11 Precision	15
12 Test report	19
Annex A (informative) Plasma optical emission spectrometer -- Suggested performance criteria to be checked	20
Annex B (normative) Synoptic of the operations related to Clause 9	24
Annex C (informative) Test samples used for the validation precision test	25
Annex D (informative) Detailed results obtained from the validation precision test	26
Annex E (informative) Graphical representation of the precision data	35
Bibliography	44