

# 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]

---

<b>Contents</b>		<b>Page</b>
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