DIN EN 15063-1:2007-01 (E)

Copper and copper alloys - Determination of main constituents and impurit ies by wavelength dispersive X-ray fluorescence spectrometry (XRF) - Part 1: Guidelines to the routine method

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Principle 5

3 Terms and definitions 5

4 Instrumentation 7

5 Sampling and test sample preparation 12

6 Evaluation methods 12

7 Calibration strategy 15

8 Method validation (accuracy and precision) 17

9 Performance criteria 17

10 Radiation protection 18

Annex A (informative) Example of calculating background equivalent concentration, limit of detection, limit of quantification and lower limit of detection 19

Annex B (informative) Example of calculating line interference of one element to another 21

Annex C (informative) Example of performance criteria obtained in a precision test 22

Bibliography 23