

DIN EN ISO 21078-1:2008-04 (E)

Determination of boron (III) oxide in refractory products - Part 1: Determination of total boron (III) oxide in oxidic materials for ceramics, glass and glazes (ISO 21078-1:2008)

| Contents | | Page |
|-----------------|---|-------------|
| | Foreword | 3 |
| 1 | Scope | 4 |
| 2 | Normative references | 4 |
| 3 | Terms and definitions | 5 |
| 4 | Preparation of the test sample | 5 |
| 5 | Number of determinations | 5 |
| 6 | Determination of boron(III) oxide by alkaline titrimetry | 6 |
| 7 | Determination of boron(III) oxide by azomethine H absorption spectrophotometry | 8 |
| 8 | Determination of boron(III) oxide by curcumin absorption spectrophotometry | 11 |
| 9 | Determination of boron(III) oxide by inductively coupled plasma atomic emission spectrometry (ICP-AES) | 15 |
| 10 | Expression of test results | 17 |
| 11 | Test report | 18 |
| | Annex A (informative) Interlaboratory test results | 19 |