

ISO 21079-2:2008-04 (E)

Chemical analysis of refractories containing alumina, zirconia, and silica -
Refractories containing 5 % to 45 % of ZrO₂ (alternative to the X-ray
fluorescence method) - Part 2: Wet chemical analysis

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Determination of silicon(IV) oxide	2
4	Determination of aluminium oxide	4
5	Determination of iron(III) oxide	7
6	Determination of titanium(IV) oxide	8
7	Determination of calcium oxide	11
8	Determination of magnesium oxide	12
9	Determination of sodium oxide by flame photometry	13
10	Determination of potassium oxide by flame photometry	14
11	Determination of chromium(III) oxide using diphenylcarbazide	15
12	Determination of zirconium oxide (including hafnium oxide) by mandelic acid (- hydroxybenzeneacetic acid) gravimetric method	16
13	Calculation and expression of test results	17
14	Test report	17
Bibliography		18