

DIN EN ISO 21079-1:2008-08 (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 1: Apparatus, reagents and dissolution (ISO 21079-
1:2008)

Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions.....	5
4 Apparatus	5
5 Reagents	5
5.1 General.....	5
5.2 Standard solutions specific to ISO 21079	5
6 Sampling.....	7
7 General procedures	8
8 Determination of loss on ignition.....	8
9 Decomposition of the sample and preparation of solutions used in the analysis	8
9.1 General decomposition techniques	8
9.2 Dissolution methods by fusion	8
9.3 Dissolution methods by hydrofluoric acid attack	11
10 Expression of test results	13
11 Examination and adoption of test results	13
12 Test report	14
Annex A (informative) References for stock solutions and blank solutions in this part of ISO 21079	15
Bibliography	16