ISO 3262-18:2023-07 (E)

Extenders - Specifications and methods of test - Part 18: Precipitated sodium aluminium silicate

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Requirements and test methods 2

5 Sampling 2

6 Determination of silica content 2
6.1 Principle 2
6.2 Reagents 2
6.3 Apparatus 3
6.4 Procedure 3
6.4.1 Number of determinations 3
6.4.2 Test portion 4
6.4.3 Determination 4
6.4.4 Determination of the total loss on ignition 4
6.5 Expression of results 5
6.6 Precision 5
6.6.1 Repeatability, r 5
6.6.2 Reproducibility, R 5

7 Determination of the composition by spectrometry 5
7.1 Principle 5
7.2 Reagents and materials 6
7.3 Apparatus 6
7.4 Procedure 7
7.4.1 Preparation of standard matching solutions 7
7.4.2 Spectrometric measurement 7
7.4.3 Calibration graph 8
7.4.4 Preparation of the test solution 8
7.4.5 Determination 8
7.5 Expression of results 9
7.5.1 Concentration of Al, Na and Si 9
7.5.2 Calculation of the oxide content for each element 9
7.6 Precision 9
7.6.1 Repeatability, r 9
7.6.2 Reproducibility, R 10

8 Determination of residue on sieve 10
8.1 Principle 10
8.2 Materials 10
8.3 Apparatus 10
8.4 Procedure 10
8.4.1 Number of determinations 10
8.4.2 Test portion 10
8.4.3 Determination 11
8.5 Expression of results 11
8.6 Precision 11

9 Test report 11

Bibliography 12