ISO 7781:2017-11 (E)

Styrene-butadiene rubber, raw - Determination of soap and organic-acid content

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Principle 1

5 Reagents 2

6 Apparatus 2

7 Sampling and sample preparation 3

8 Procedure 3
8.1 Preparation of the test solution 3
8.2 Method A -- Titration method using indicator reagent 3
8.2.1 Procedure for determination of soap content 3
8.2.2 Procedure for determination of organic-acid content 3
8.3 Method B -- Titration method using automatic potentiometric titrator 4
8.3.1 Procedure for determination of soap content 4
8.3.2 Procedure for determination of organic-acid content 4
8.4 Method C -- Back titration method using automatic potentiometric titrator 4
8.4.1 Preparation 4
8.4.2 Sample titration procedure 6
8.4.3 Blank titration procedure 6
8.4.4 Determination of equivalence points 6

9 Expression of results 6
9.1 Soap content 6
9.2 Organic-acid content 7

10 Precision data 8

11 Test report 8

Annex A (informative) Test for rosin 9

Annex B (informative) Precision data for method C 10

Bibliography 12