ISO 18894:2018-02 (E)

Coke - Determination of coke reactivity index (CRI) and coke strength after reaction (CSR)

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Principle 2

5 Reagents 3

6 Apparatus 3

7 Preparation of test sample 4

8 Procedure 5
8.1 Number of tests 5
8.2 Assembly of the reaction vessel 5
8.3 Determination of CRI 5
8.4 Determination of CSR 6

9 Expression of results 6
9.1 Coke reactivity index (CRI) 6
9.2 Coke strength after reaction (CSR) 6

10 Precision 7
10.1 Quality control 7
10.2 Repeatability limit 8
10.2.1 General 8
10.2.2 Coke reactivity index 8
10.2.3 Coke strength after reaction 8
10.3 Reproducibility limit 9

11 Test report 9

Annex A (normative) Reactivity test apparatus "type A", single wall 11

Annex B (normative) Reactivity test apparatus "type B", double wall 13

Annex C (normative) Coke-strength-after-reaction tumbler 15

Annex D (informative) Determination of abrasion value 17

Annex E (informative) Results of the Interlaboratory Study (precision data) 18