DIN EN ISO 15181-6:2014-09 (E)

Paints and varnishes - Determination of rel ease rate of biocides from antifouling paints - Part 6: Determination of tralopyril release rate by quantitation of its degradation product in the extract (ISO 15181-6:2012)

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Principle 5

4 Supplementary information 6

5 Apparatus 6

6 Reagents and materials 6

7 Test samples 7

8 Preparation of calibration standards 7
8.1 General 7
8.2 Stock solution A 7
8.3 Stock solution B 7
8.4 Preparation of calibration standards from stock solutions 7

9 Recovery and conversion check standards 8
9.1 General 8
9.2 Stock solution C 8
9.3 Stock solution D 8
9.4 Preparation of recovery and conversion check standards 8

10 Procedure 9
10.1 General 9
10.2 Sample treatment 9
10.3 Preparation of chromatography eluent 9
10.4 Instrument calibration 9
10.5 Conversion and recovery determination 10
10.6 Sample determination 10

11 Calculation and expression of results 10
11.1 Calculation of the tralopyril concentration 10
11.2 Release rate for each test cylinder 11
11.3 Mean release rate for each set of three cylinders 12
11.4 Cumulative tralopyril release 12
11.5 Mean tralopyril release rate 12
11.6 Pseudo-steady-state mean tralopyril release rate 13

12 Validation of the method 13

13 Test report 13

Annex A (normative) Supplementary information 15

Annex B (informative) Additional information on tralopyril and BCCPCA 16

Bibliography 18