DIN EN ISO 11771:2011-04 (E)

Air quality - Determination of time-averaged mass emissions and emission factors - General approach (ISO 11771:2010)

Contents

Page

Foreword 3

Introduction 4

1 Scope 6

2 Terms and definitions 7

3 Symbols and abbreviated terms 8

4 Principle 8

5 Determination of mass emission rates 9
5.1 Planning 9
5.2 Measurements 10
5.3 Calculation of mass emission rates 11
5.4 Determination of time-averaged mass emission rates 12
5.5 Uncertainty estimation 12

6 Activity data 14
6.1 Collection of activity data 14
6.2 Activity data uncertainty 14

7 Determination of time-averaged mass emission factors 15
7.1 General 15
7.2 Calculating the time-averaged emission factor 15
7.3 Uncertainty of the time-averaged emission factor 15
7.4 Aggregating emission factors 16
7.5 Uncertainty estimation of aggregates of emission factors 16

8 Quality management system requirements 16

9 Reporting 17
9.1 General 17
9.2 Test report 17

Annex A (normative) Minimum requirements for the measurement plan 18

Annex B (informative) Example of uncertainty estimation 21

Annex C (informative) Data manipulation 26

Bibliography 27