

DIN EN 15980:2011-08 (E)

Air quality - Determination of the deposition of benz[a]anthracene, benzo[b]fluoranthene, benzo[j]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, dibenz[a,h]anthracene and indeno[1,2,3-cd]pyrene

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Symbols and abbreviations	7
4.1	Symbols	7
4.2	Abbreviations	8
5	Principle	9
6	Apparatus, reagents and materials	9
6.1	Reagents	9
6.2	Materials	9
6.3	Sampling equipment	9
6.4	Laboratory equipment	10
7	Sampling	10
7.1	General	10
7.2	Sampling location	10
7.3	Sampling requirements	11
7.4	Sample transport	12
8	Sample preparation and analysis	12
8.1	Sample storage	12
8.2	Extraction	12
8.3	Analysis	12
8.4	Interferences	12
9	Quality assurance	12
10	Calculation of results	13
11	Performance characteristics	13
12	Uncertainty	14
13	Reporting of results	14
Annex A (informative) Collectors used in the field trial		15
Annex B (normative) Work-up of deposition samples for PAH analysis		19
Annex C (normative) Analytical conditions		26

Annex D (informative) Performance characteristics determined in laboratory and field tests	29
Annex E (informative) Relationship between this European Standard and the essential requirements of EU Directives	43
Bibliography	44