

DIN EN 14582:2016-12 (E)

Characterization of waste - Halogen and sulfur content - Oxygen combustion in closed systems and determination methods

Contents		Page
European foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Principle	6
5	Interferences	7
6	Hazards	7
7	Reagents and control mixtures	7
7.1	Reagents	7
7.2	Control mixtures	7
8	Sample conservation and pretreatment of test portion	8
9	Equipment	9
10	Procedure	9
10.1	General	9
10.2	Choice of the absorption solution	10
10.3	Preparation of the bomb	11
10.4	Combustion	11
10.5	Collection of the halides and sulphate	12
10.6	Cleaning procedure	12
11	Recommended methods of determination	13
12	Control measurements	13
13	Evaluation	13
14	Test report	14
Annex A (informative) Performance characteristics		15
Annex B (informative) Oxygen flask combustion by Schoeniger		18
B.1	General	18
B.2	Principle	18
B.3	Interferences and hazards	18
B.4	Reagents and control mixtures	18
B.5	Equipment	18
B.6	Safety precautions	19
B.7	Procedure	19

B.7.1	General	19
B.7.2	Choice of the absorption solution	19
B.7.3	Sample preparation	20
B.7.4	Combustion	20
B.8	Determination methods; control measurements; data evaluation and test report	20
B.9	Performance characteristics	21
Annex C (informative)	Recovery yields obtained for control mixtures with different absorption solutions and analytical techniques	24
Annex D (informative)	Examples of possible control substances	27
Annex E (informative)	Additional results of inter-laboratory tests	29
Annex F (informative)	Summary of general requirements and recommendations	31
Annex G (informative)	Additional validation data	32
G.1	General	32
G.2	Samples	32
G.3	Homogeneity and stability	33
Bibliography		35