

DIN EN 16175-1:2016-12 (E)

Sludge, treated biowaste and soil - Determination of mercury - Part 1: Cold-vapour atomic absorption spectrometry (CV-AAS)

Contents	Page
European foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Principle	5
4 Interferences	5
5 Reagents	6
6 Apparatus	7
6.1 Usual laboratory apparatus	7
6.2 Atomic absorption spectrometer (AAS)	7
6.3 Automated sample introduction system	8
6.4 Cold-vapour generator, batch system or an automated flow injection analysis system (FIA)	8
7 Procedure	8
7.1 Test solution	8
7.2 Test blank solution	8
7.3 Preparation of the calibration solutions	8
7.4 Calibration	8
7.5 Measurement of test sample	9
8 Calculation and expression of results	9
8.1 Calculation	9
8.2 Expression of results	9
9 Performance data	9
10 Test report	10
Annex A (informative) Repeatability and reproducibility data	11
A.1 Materials used in the interlaboratory comparison study	11
A.2 Interlaboratory comparison results	11
Bibliography	13