

ISO 17378-2:2014-02 (E)

Water quality - Determination of arsenic and antimony - Part 2: Method using hydride generation atomic absorption spectrometry (HG-AAS)

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Principle	2
3.1 Arsenic	2
3.2 Antimony	2
4 Interferences	2
4.1 General	2
4.2 Arsenic	3
4.3 Antimony	3
5 Reagents	3
5.1 General requirements	3
6 Apparatus	8
7 Sampling and sample preparation	9
7.1 Sampling technique	9
7.2 Pre-reduction	9
8 Instrumental set up	10
9 Procedure	10
9.1 General requirements	10
9.2 Analysis using the method of standard calibration	11
9.3 Analysis using the standard addition method of calibration	11
10 Calibration and data analysis	12
10.1 General requirements	12
10.2 Calculation using the calibration curve	12
10.3 Calculation using the standard addition method	13
11 Expression of results	13
12 Test report	13
Annex A (informative) Additional information	14
Annex B (informative) Schematic flow diagram and signal response	15
Annex C (informative) Example of enrichment technique	17
Annex D (informative) Performance data	19
Bibliography	22