

ISO 13547-2:2014-11 (E)

Copper, lead, zinc and nickel sulfide concentrates - Determination of arsenic - Part 2: Acid digestion and inductively coupled plasma atomic emission spectrometric method

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Principle	2
4	Reagents	2
5	Apparatus	4
6	Sampling and sample preparation	4
6.1	Laboratory sample	4
6.2	Test sample	4
6.3	Test portion	4
7	Procedure	5
7.1	Number of determinations	5
7.2	Blank test	5
7.3	Dissolution of the test portion	5
7.4	Removal of lead sulfate	5
7.5	Dissolution of the insoluble residue	5
7.6	Preparation of test solutions	6
7.7	Preparation of calibration solutions	6
7.8	Preparation of arsenic calibration curve	6
7.9	Determination of arsenic content in test solutions	7
8	Expression of results	7
9	Precision	7
9.1	Expression of precision	7
9.2	Method for obtaining the final result	8
9.3	Between-laboratories precision	8
9.4	Check of trueness	9
10	Test report	10
Annex A (normative)	Procedure for the preparation and determination of the mass of a pre-dried test portion	11
Annex B (normative)	Flowsheet of the procedure for the acceptance of analytical values for test samples	13