

ISO 10258:2018-02 (E)

Copper sulfide concentrates - Determination of copper content - Titrimetric methods

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	1
4.1	Method 1 (Long iodide method)	1
4.2	Method 2 (Short iodide method)	1
5	Reagents	2
6	Apparatus	4
7	Sample	4
7.1	Test sample	4
7.2	Test portion	4
8	Procedure	4
8.1	Number of determinations	4
8.2	Blank test	5
8.3	Determination -- Method 1: Long iodide method	5
8.3.1	Decomposition of test portion	5
8.3.2	Separation of copper	5
8.3.3	Dissolution of copper precipitate	6
8.3.4	Titration	6
8.3.5	FAAS determination of copper in the insoluble residue, filtrate, and filter paper	6
8.4	Determination -- Method 2: Short iodide method	7
8.4.1	Decomposition of the test portion	7
8.4.2	Titration	7
9	Expression of results	8
10	Precision	8
10.1	Expression of precision	8
10.2	Method for obtaining the final result (see Annex B)	9
10.3	Precision between laboratories	9
10.4	Check of trueness	10
11	Test report	11
Annex A (informative)	Procedure for the preparation and determination of the mass of a predried test portion	12
Annex B (normative)	Flowsheet of the procedure for the acceptance of analytical values for test samples	14
Annex C (informative)	Derivation of precision formulae	15
Bibliography		20