

# ISO 19976-2:2019 (E)

## Copper, lead and zinc sulfide concentrates — Determination of cadmium — Part 2: Acid digestion and inductively coupled plasma atomic emission spectrometric method

---

### Contents

	Foreword
1	Scope
2	Normative references
3	Terms and definitions
4	Principle
5	Reagents
6	Apparatus
7	Sample
7.1	Laboratory sample
7.2	Test sample
7.3	Test portion
8	Procedure
8.1	Number of determinations
8.2	Blank test
8.3	Dissolution of the test portion
8.4	Preparation of test solutions
8.5	Preparation of calibration solutions
8.6	Preparation of cadmium calibration curve
8.7	Determination of cadmium content in test solutions
9	Expression of results
10	Precision
10.1	Expression of precision
10.2	Method for obtaining the final result
10.3	Between-laboratories precision
10.4	Check of trueness
10.4.1	General
10.4.2	Type of CRM or reference material
10.4.2.1	General
10.4.2.2	Reference material certified/characterized by inter-laboratory test programme
10.4.2.3	Reference material certified/characterized by one laboratory
11	Test report
Annex A	(informative) Procedure for the preparation and determination of the mass of a pre-dried test portion
A.1	General
A.2	Principle
A.3	Reagents
A.4	Apparatus
A.5	Procedure
A.5.1	Preparation of the weighing vessel
A.5.2	Test portion

**A.5.3**      **Determination of the test portion dry mass**

**A.6**        **Calculation of the test portion dry mass**

**Annex B**   **(normative) Procedure for obtaining the final result**

**Page count: 12**