

ICS 77.120.01
CCS H13

YS

**NONFERROUS METALS INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YS/T 1115.10-2026

Replacing YS/T 53.1-2010; YS/T 53.2-2010; YS/T 53.3-2010

**Chemical analysis methods of copper, lead and zinc ores and tailings - Part 10:
Determination of gold, silver, molybdenum, arsenic, tungsten, bismuth, gallium, indium,
thallium, selenium, tellurium and germanium contents - Inductively coupled plasma mass
spectrometry**

铜、铅、锌原矿和尾矿化学分析方法 第 10 部分：金、银、钼、砷、钨、铋、镓、
铟、铊、硒、碲和锗含量的测定 电感耦合等离子体质谱法

(English Translation)

Issued on: April 15, 2026

Implemented on: November 1, 2026

Issued by: Ministry of Industry and Information Technology

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Foreword

YS/T 1115.10-2026 is a recommended industry standard of the People's Republic of China in the Nonferrous Metals sector, approved and issued by the Ministry of Industry and Information Technology on 15 April 2026, with effect from 1 November 2026.

This edition replaces YS/T 53.1-2010; YS/T 53.2-2010; YS/T 53.3-2010.

Classification: ICS 77.120.01; CCS H13.

1 Scope

YS/T 1115.10-2026 describes a method for determining the contents of gold, silver, molybdenum, arsenic, tungsten, bismuth, gallium, indium, thallium, selenium, tellurium and germanium in copper, lead and zinc raw ores and tailings by inductively coupled plasma mass spectrometry. It applies to the determination of these twelve elements in copper, lead and zinc raw ores, including copper-molybdenum polymetallic ores, and in tailings. In a mass spectrometer the sample solution is ionized in a plasma and the ions are counted, which allows several elements to be determined from a single prepared sample.

Mining and mineral processing companies, geological and metallurgical laboratories, and third-party testing bodies can use it for ore and tailings analysis. It is a voluntary standard (code with /T), issued by the Ministry of Industry and Information Technology on 15 April 2026 and effective from 1 November 2026. It replaces YS/T 53.1-2010, YS/T 53.2-2010 and YS/T 53.3-2010.