

CCS Y88

SN

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

SN/T 3249-2012

**Imitation jewelry and accessory. Determination of Lead,
Cadmium and Barium. Flame atomic absorption spectrometric
method**

(English Translation)

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Table of Contents

Foreword
1 Scope
2 Normative references
4 Reagents

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

Please note that some of the content of this document may involve patents. Distribution of this document Institutions do not assume the responsibility to identify these patents.

This standard by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China Guangdong Entry-Exit Inspection and Quarantine Shandong People's Republic of China Bureau, Chinese Academy of Inspection and Quarantine.

1 Scope

This standard specifies the alloy simulation jewelry, polymer, coatings, ceramics, glass, crystal and other similar materials as lead, cadmium, barium total content Flame atomic absorption spectrometric method.

This standard applies to imitation jewelry alloys, polymers, coatings, ceramics, glass, crystal and other materials of lead, cadmium, barium Determination, Cadmium Lead, barium limit was 20mg/kg, 2mg/kg and 30mg/kg.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

Laboratory use specifications and test methods GB/T 6682 Analysis Determination of GB/T 22788-2008 toy surface coatings of the total lead content SN/T 2046-2008 Plastics and articles thereof measured inductance of lead, mercury, chromium, cadmium, barium, arsenic coupled plasma atomic emission light Spectroscopy Principle 3 Sample pulverized After acid digestion, atomic absorption spectrometer, external standard method for quantitative determination of lead, cadmium, barium.

4 Reagents

Unless otherwise specified, use only analytical reagent and in line with two water GB/T 6682 regulations.

4.1

nitric acid (65% mass fraction).

4.2

hydrochloric acid (37% mass fraction).

4.3

fluoroboric acid (40% mass fraction).

4.4

Hydrofluoric acid (40% mass fraction).

4.5

boric acid (4% mass fraction).

4.6

Hydrogen peroxide (30% mass fraction).

4.7

KCl. 20g/L.

4.8

nitric acid (119).

4.9

Standard solution. lead, cadmium, barium standard solution (1000 μ g/mL), with a traceable certificate.

4.10

standard solution. Pipette a volume of standard stock solution (4.9) in 100mL volumetric flask (4.8) with nitric acid diluted to the mark Degree of mixing, so that the concentration meets requirements of Table 1. Wherein the element barium standard solution should be added 10mL potassium chloride solution (4.7), such that Dilution constant volume of a solution containing 2g/L KCl.