Chinastandards.org

ICS 71.100.70
CCS Y42

SN

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3827-2014

Determination of lead, cadmium, arsenic, mercury, antimony, chrome, nickel, barium and strontium in cosmetics for import-export - ICP-OES method

进出口化妆品中铅、镉、砷、汞、锑、铬、镍、钡、锶含量的测定 电感耦合等离子体原子发射光谱法

(English Translation)

Issued on: January 13, 2014 **Implemented on: August 1, 2014**

Issued by: General Administration of Customs

Preview: page 1 of 3 shown, 8 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3827-2014

Chinastandards.org

Table of Contents

Foreword
1 Scope
2 Normative references
3 Method summary
4 Reagents and materials

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. Release mechanism of the present document does not assume responsibility for the identification of these patents.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China Zhejiang Exit Inspection and Quarantine, Zhejiang Inspection and Quarantine Institute of Science and Technology.

1 Scope

This standard specifies the import and export of cosmetics lead, cadmium, arsenic, mercury, antimony, chromium, nickel, barium, strontium content by inductively coupled plasma emission spectroscopy measurements Setting Method.

This standard is applicable to the determination of the import and export of cosmetics lead, cadmium, arsenic, mercury, antimony, chromium, nickel, barium, strontium content in.

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 SN/T 2192 Importers and cosmetic laboratory chemical analysis sample preparation Specification Hygienic Standard for Cosmetics 2007

Preview: page 2 of 3 shown, 8 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3827-2014

3 Method summary

After the sample microwave digestion, ICP-OES measurements at wavelengths corresponding element spectral intensity, compared with the standard series, the internal standard.

4 Reagents and materials

Unless otherwise specified, all reagents superior grade pure water was used a water line with GB/T 6682 stipulated.

Nitrate 4.1 (MOS level, 65%).

4.2
Hydrogen peroxide (30% aqueous solution).

Hydrofluoric acid 4.3 (MOS level, 39%).

4.4
nitric acid solution (595). Measure 50mL of nitric acid (4.1) slowly added to 950mL of water.

4.5
lead, cadmium, arsenic, antimony, chromium, nickel, barium, strontium standard stock solution (100μg/mL). there are direct use of reference material certificate validity Multi-element standard solution, standard solution at a concentration of 100μg/mL.

4.6
mercury standard stock solution (1000μg/mL). direct elemental standard solution standard material certificates are valid within a concentration 1000μg/mL.

4.7
rhodium standard stock solution (1000μg/mL). As ICP-OES detection of an internal standard, the direct use of reference material certificates have Element standard solution within the lifetime of a concentration of 1000μg/mL.

4.8
yttrium stock standard solution (1000μg/mL). As ICP-OES detection of an internal standard, the direct use of reference material certificates valid Element standard solution period, a concentration of 1000μg/mL.

4.9
Indium standard solution (1000μg/mL). As ICP-OES detection of an internal standard, the direct use of reference material certificates valid Element standard solution period, a concentration of 1000μg/mL.

Preview: page 3 of 3 shown, 8 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3827-2014