Chinastandards.org

CCS G13

SN

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 0564.2-2012

Titanium dioxide. Part 2: Determination of lead, mercury and soluble arsenic content in

钛白粉 第2部分：铅、汞和可溶砷含量的测定

(English Translation)

Issued on: December 12, 2012 **Implemented on: July 1, 2013**

Issued by: General Administration of Customs

Preview: page 1 of 3 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-0564-2-2012

Chinastandards.org

Table of Contents

Foreword

1 Scope

2 Normative references

3 Determination of lead content

3.1 Method summary

3.2 Reagents and materials

Foreword

SN/T 0564 "titanium dioxide" is divided into two parts.

--- Part 1. Determination of iron oxide content;

--- Part 2. Determination of lead, mercury and arsenic content of soluble.

This section SN/T Section 20564 of.

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

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

1 Scope

This standard specifies the graphite furnace atomic titania lead content absorption spectrometry, mercury and arsenic content of soluble atomic fluorescence spectrometry test methods.

This standard applies to titanium dioxide Determination of lead, mercury and arsenic content of soluble, lead, mercury and arsenic measurement range solubles were 0.2mg/kg ~ 100.0mg/kg, 0.01mg/kg ~ 10.00mg/kg, 0.1mg/kg ~ 80.0mg/kg.

2 Normative references

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

Preparation of standard solution of GB/T 602 Determination of impurities in chemical reagents Laboratory use specifications and test methods GB/T 6682 Analysis GB/T 12806 Laboratory glassware single marking flask GB/T 12807 Laboratory glassware indexing

Preview: page 2 of 3 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-0564-2-2012

pipette JJG694 atomic absorption spectrophotometer test procedures Fluorometer non-dispersive atomic test procedures JJG939

3.1 Method summary

Sample with hydrofluoric acid, nitric acid dissolution, the reaction was added an excess of hydrofluoric acid, at a wavelength of 283.3nm at the graphite furnace atomic absorption light Spectrometer measuring the absorbance of lead, lead content is calculated according to the standard curve method.

3.2 Reagents and materials

Unless otherwise stated, only recognized as analytical reagents and in line with two or more water GB/T 6682 regulations.

3.2.1
Hydrofluoric acid (rho = 1.13g/mL). pure class distinctions.

Warning. a strong corrosive hydrofluoric acid, should avoid contact with the skin.

3.2.2
nitric acid (rho = 1.42g/mL). pure class distinctions.

3.2.3
boric acid.

3.2.4
ammonium dihydrogen phosphate.

3.2.5
nitric acid solution (595).

3.2.6
solution of ammonium dihydrogen phosphate (5mg/mL).

Preview: page 3 of 3 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-0564-2-2012