Chinastandards.org

SN

# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# SN/T 3360-2012

## Determination of sodium dichromate in polymers. Ion chromatography method

聚合物中重铬酸钠的测定 离子色谱法

**(English Translation)**

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

**Issued by: General Administration of Customs**

Preview: page 1 of 3 shown, 6 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3360-2012

Chinastandards.org

# Table of Contents

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

## Foreword

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

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

## 1 Scope

This standard specifies the method of ion chromatography polymer sodium dichromate.

This standard applies to the determination of hexavalent chromium in the polymer, sodium dichromate results count.

## 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

## 3 Method summary

The use of alkaline leaching extract polymer hexavalent chromium, after leaching solution purification by reverse phase extraction column injection with a conductivity detector off Sub chromatograph testing, retention time qualitative, external standard. The test results in terms of the content of sodium dichromate.



Preview: page 2 of 3 shown, 6 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3360-2012

## 4 Reagents and materials

The water used in line with GB/T 6682 provided a water.

**4.1**
Sodium hydroxide. pure class distinctions.

**4.2**
Potassium dichromate. reference material.

**4.3**
Quantitative filter paper. phi12.5cm, medium speed.

**4.4**
RP column or a similar inverted polymer material extraction column. 1.0mL.

**4.5**
of membrane filters. 0.45μm.

**4.6**
alkaline leach solution (0.5mol/L sodium hydroxide solution). Weigh 20.0g of sodium hydroxide (4.1), dissolved in water transferred to 1000mL Volumetric flask and dilute to the mark.

**4.7**
hexavalent chromium standard solution (100mg/L). Weigh accurately on potassium dichromate at 120 °C 2h after drying (4.2) 0.2828g, water 1000mL dissolved quantitatively transferred to a volumetric flask and dilute to volume, shake, or use of certified reference materials.

## 5 Apparatus

**5.1**
ion chromatograph (distribution conductivity detector).

**5.2**
Analysis of balance. a sense of the amount of 0.1mg.

**5.3**
oscillating water bath. Accuracy ± 2 °C.

**5.4**
freeze grinding apparatus or the like.



Preview: page 3 of 3 shown, 6 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3360-2012