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# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# SN/T 3766-2014

## General requirements of extraction technology for hazardous organisms in polymer parts of electrical and electronic products

电子电气产品高分子材料部件中有毒有害有机物提取技术通用要求

**(English Translation)**

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

**Issued by: General Administration of Customs**

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## 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 electrical and electronic products polymer materials for hazardous organic components extracted generic methods and requirements.

This standard applies to electrical and electronic products and components in polymer materials hazardous to extract organic matter.

## 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.

GB/Z20288 hazardous substances in electrical and electronic products in the test sample resolution General requirements

## 3 Extraction principle

**3.1**
appropriate extraction method to detect cell material obtained split electrical and electronic products to be suitable for conversion Determination form.



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**3.2**

Extraction method should consider eliminating interfering substances affect the determination of selected analytes high recovery results reproducible extraction method should Avoid chemical component to be measured change, avoided reagents, equipment and environmental contamination of the sample.

**3.3**

meet the testing requirements of the premise, should select frequently used extraction equipment, extraction method selected device does not respond adversely affected.

**3.4**

meet the testing requirements of the premise, should be selected for the operator health, the environment and the adverse effects of small equipment extraction method.

## 4 Sampling and splitting

Sampling and splitting according to GB/Z20288.

### 5.1 Extraction Process

Electronic and Electrical Products polymer material components for hazardous organic extraction process shown in Figure 1.

#### 5.2.1 Smash

Polymer sample to be frozen in cryogenic grinding mill to a predetermined size, to avoid the crush, grind fine process heat to cause the sample to be tested Component change.

#### 5.2.2 Sieved

Sieved obtain a predetermined particle size, grinding should be repeated until all by far.



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