

**SN**

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

**SN/T 3332-2012**

---

**Test method for qualitative identification of polyvinyl chloride in  
textiles and garments for import and export  
(English Translation)**

**Issued on: December 12, 2012**

**Implemented on: July 1, 2013**

---

**Issued by: General Administration of Customs**

## Table of Contents

|                                           |
|-------------------------------------------|
| Foreword                                  |
| 1 Scope                                   |
| 2 Normative references                    |
| 3.1 Overview                              |
| 3.2 Method One. Flame colorimetric method |

### 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.

This standard was drafted. People's Republic of China Jiangsu Entry-Exit Inspection and Quarantine Bureau, Zhuhai Entry-Exit Inspection and Quarantine of People's Republic of China Bureau, People's Republic of China Fujian Entry-Exit Inspection and Quarantine, Ningbo People's Republic of China.

### 1 Scope

This standard specifies the textile and apparel polyvinyl chloride (PVC) flame coloring and infrared spectroscopy qualitative identification methods.

This standard applies to textile and apparel qualitative identification of coated fabrics, plastic accessories sample suspected of containing PVC.

### 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/T 6040 General rules for infrared spectroscopy Test Method 3

#### 3.1 Overview

Flame colorimetric method (3.2) can be used as a sample in the screening method PVC qualitative identification by the method test results negative samples can be determined Given free of PVC, tested positive samples need to use infrared spectroscopy (3.3) further confirmed. Samples can also be directly using infrared light Spectroscopy (3.3) for

qualitative analysis.

### **3.2.1 Principle**

The sample was placed on a red-hot wire, flame oxidation of flame combustion, according to the color of the flame is determined whether the sample contains PVC.

### **3.2.2 Reagents and materials**

#### **3.2.2.1**

alcohol burner or gas lamps.

#### **3.2.2.2**

bare copper wire about 15cm long, mounted on cork.

#### **3.2.2.3**

Fine sandpaper. 600 grit or other applicable models.

### **3.2.3 Test procedure**

#### **3.2.3.1**

coated fabric directly cut into small strips or blocks; plastic attachments scissors, cutting, sawing and other appropriate methods such as broken into tiny lumps or a sheet.

#### **3.2.3.2**

with a fine sandpaper (3.2.2.3) to copper (3.2.2.2) polished clean.