

ICS 59.080
CCS W04

SN

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

SN/T 3786.1-2014

**Rapid screening method of the banned azo colorants in textiles
on import and export. Part 1: Gas chromatography-mass
spectrometry method
(English Translation)**

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Foreword

This section SN/T 3786 "prohibited azo dyes in textile export rapid screening methods" Part 1.

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

SN/T 3786 provisions of this part of the textiles biodegradable carcinogenic aromatic amines under certain conditions (see Appendix A) banned azo dye Rapid screening methods material.

This section applies to the import and export of textiles to disable rapid screening test azo dyes.

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 GB/T 17592 Determination of azo dyes in textile disabled Determination of GB/T 23344 Textiles 4-amino azobenzene Methods for determination of 1 EN14362-1 textiles from azo colorants of certain aromatic amines. through the use of specific fibers Azo colorants extraction and detection (Textiles-Methodsfordeterminationofcertainaromatic without fiber extraction aminesderivedfromazocolorants-Part 1. Detectionoftheuseofcertainazocolorantsaccessiblewith andwithoutextractingthefibres) Methods for determination of 3 EN14362-3 textiles from azo colorants of certain aromatic amines. 4-amino-coupling can be released Detection of specific nitrogen benzene azo

colorant

(Textiles-Methodsfordeterminationofcertainaromaticaminesde-rivedfromazocolorants-Part 3. Detectionoftheuseofcertainazocolorants, whichmayrelease4-aminoazobenzene) Principle 3 Samples with a citrate buffer solution medium reductive decomposition of sodium dithionite possible to produce carcinogenic aromatic amines with acetic acid After ethyl direct extraction, gas chromatography - mass spectrometry (GC/MSD) test. According to aromatic amines retention time and mass spectrometry, within Standard method.

4 Reagents and materials

Unless otherwise specified, the reagents used were of analytical grade should water as third grade water GB/T 6682 regulations.

4.1

methanol.