

ICS 59.080.01

W 04



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

中华人民共和国国家标准

GB/T 23344-2009

Textiles—Determination of 4-aminoazobenzene

纺织品 4-氨基偶氮苯的测定

Issued on March 19, 2009

Implemented on February 01, 2010

**Issued by General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China**

Standardization Administration of the People's Republic of China

Contents

Foreword.....	1
1 Scope	2
2 Normative References	2
3 Principle.....	2
4 Reagents.....	3
5 Equipments and instruments.....	4
6 Analysis steps.....	4
7 Result calculation and representation	8
8 Determination of lower limit, recovery rate and precision	9
9 Test report	10
Annex A (Informative) Reduction treatment method after sample extraction	1
Annex C (Informative) Figure sample of HPLC analysis	5
Annex D (Informative) Recovery rate	6

Foreword

Annex A, B, C and D of this Standard are informative annex.

This Standard is proposed by China Textile Industry Association (CNTAC).

This Standard is under the jurisdiction of Subcommittee 1 of National Technical Committee 209 on Textiles of Standardization Administration of China.

Draft units of this Standard: Jiangsu Entry-Exit Inspection and Quarantine Bureau of P.R. China, Standardization Research Institute of Textile Industry and Jiangsu Huihong International Group.

Chief drafters of this Standard: Cao Xizhong, Ding Youchao, Xu Xinhua, Feng Quanbing, Qian Kai, Tian Zhu, Zhou Jia and Chen Xiaoding.

Textiles—Determination of 4-aminoazobenzene

WARNING — Persons using this Standard should be familiar with normal laboratory practice. This standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any national regulatory conditions.

1 Scope

This standard specifies detection method of plant to measure the 4-aminoazobenzene decomposed from certain azo colorants in textile products by gas chromatography - mass spectrometry method (GC/MSD) and high performance liquid chromatography (HPLC/DAD).

This standard applies to all kinds of textile products after dyeing and finishing.

2 Normative References

The articles contained in the following documents have become this Standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 6682 Water for analytical laboratory use - Specification and test methods (GB/T 6682-2008, ISO 3696: 1987, MOD)

GB/T 17592 Textiles—Determination of the banned azo colourants

3 Principle

Sample is deoxidated with sodium dithionite in alkaline medium, and extract 4-aminoazobenzene with appropriate liquid - liquid allocation method, use gas chromatograph (GC/MSD) equipped with mass selective detector for the qualitative determination, if necessary, select the high performance liquid chromatography - diode array detector (HPLC/DAD) to confirm the isomers. Use the internal standard method of gas chromatography-mass spectrometry or the external standard method of high performance liquid chromatography to quantify.

完整版本请在线下单

或咨询：

TEL: 400-678-1309

QQ: 19315219

Email: info@lancarver.com

<http://www.lancarver.com>

对公账户：

单位名称：北京文心雕语翻译有限公司

开户行：中国工商银行北京清河镇支行

账 号：0200 1486 0900 0006 131

支付宝账户：info@lancarver.com

注：付款成功后，请预留电邮，完整版本将在一个工作日内通过电子 PDF 或 Word 形式发送至您的预留邮箱，如需索取发票，下单成功后的三个工作日内安排开具并寄出，预祝合作愉快！