

AFIRM 的历史

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AFIRM GROUP

Marcus Kuerner
高级产品安全经理
adidas 集团

adidas
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BESTSELLER ESPRIT



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LACOSTE

new balance

Pentland

puma

s.Oliver

10/30/2014
asics



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Phylmar Group Environmental Health & Safety Social Responsibility

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AFIRM 是谁？

- 创办于 2004 年 7 月
- 创始成员公司：
 - adidas
 - C&A
 - Gap
 - Levi
 - Nike
 - Marks and Spencer
 - PUMA

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The
GYMBOREE
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AFIRM 的使命

- 減少在服装及鞋袜供应链中使用有害物质及有害物质对供应链的影响。



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AFIRM 的意义

- 为公众提供一个论坛以促进对服装和鞋袜中使用受限物质的全球化管理、与供应链沟通有关 RSL 的信息、讨论民生关注问题、就完善 RSL 管理交换意见，从而最终提升消费者满意度。

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公共访问网站

- <http://afirm-group.com>
- 现可登录 AFIRM 公共访问网站
获取：
 - AFIRM 供应商工具包
 - RSL 指导方针清单
 - 常见问题



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历届研讨会 举办时间及地点

- 2012 年 11 月 15 日 - 胡志明市
- 2010 年 3 月 31 日 - 香港
- 2008 年 11 月 6 日 - 德里
- 2007 年 10 月 23 日 - 上海
- 2006 年 3 月 31 日 - 香港

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Restricted Substances Guidance



Apparel and Footwear International RSL Management Group

AFIRM RSL 指导方针清单

AFIRM 指导方针清单 - 内容、结构和含义

状态: 2014 年 11 月 -
版本 3.0



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AFIRM RSL 指导方针清单

历史

- 制定时间：近 6 年
- 概念审核次数：6
- 最终方案：使用最浓缩、最易获得且可用于实际批量生产场合中的物质

要从中获得最佳收益，我们强烈建议参阅 AFIRM 供应商工具包的同步研究

相关资料可从 <http://www.afirm-group.com/AFIRMSupplierToolkitFinalJune6.pdf> 获得

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AFIRM RSL 指导方针清单

AFIRM RSL 指导方针清单的意义及其内容
一个适用于整个供应链的统一的信息集

Policy Statement

The AFIRM RSL Guidance creates a compilation of commonly defined pairs of "lowest limit" plus corresponding "most suitable test method" established by and prevalent in AFIRM member companies. Individual brand RSLs may differ in specific parameters. This Guidance should leverage AFIRM's mission:

"To reduce the use and impact of harmful substances in the apparel and footwear supply chain"

by providing one single set of information for a maximum and in-depth implementation within the supply chain.

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AFIRM RSL 指导方针清单

AFIRM RSL 指导方针清单的意义及其内容

一个适用于整个供应链的统一的信息集

- the enhancement of the awareness and management levels in regard of critical chemicals in the supply chain far beyond our regular A 01 outreach, to add security and benefits to all communities and the entire industry
- to reduce administrative burden and economic resources spend for testing without decreasing security in regard of material and product compliance

Restricted Substances Guidance



Apparel and Footwear International RSL Management Group

Legal Statement



The Apparel and Footwear International RSL Management (AFIRM) Group has created the following Restricted Substance Guidance to assist and guide supply-chain participants seeking to increase product quality and safety, or reduce their environmental impact, by limiting the use of certain substances ("AFIRM RSL Guidance"). The AFIRM RSL Guidance constitutes information from AFIRM only, and does not represent any individual AFIRM member.

The AFIRM RSL Guidance is a review of all AFIRM brand RSLs, in place on March 1, 2012, which reflects:

1. The most stringent substance limit.
2. The corresponding test method.

Some examples of uses for the AFIRM RSL Guidance, depending on the objectives of the user, include:

1. Providing a tool for vendors to establish chemical management knowledge and processes.
2. Building base compliance with AFIRM member chemical restrictions.
3. Providing a common base for testing products, which may be accepted by multiple AFIRM brands. AFIRM member companies determine and communicate to their vendors their testing requirements and acceptance of test reports.

Note: This AFIRM RSL Guidance is not intended and does not establish any industry standard of care. The AFIRM RSL Guidance may not always provide the most appropriate approach for any individual company's chemical management program. Many brands have implementation guidelines. Suppliers must follow those guidelines, where required.

The AFIRM RSL Guidance does not constitute legal advice and is not a substitute for legal advice. There is no warranty, express or implied, as to the completeness or utility of the information contained in the AFIRM RSL Guidance, including, without limitation, that the information is current and error-free. AFIRM disclaims liability or any kind whatsoever resulting from any use of or reliance on the AFIRM RSL Guidance.

AFIRM RSL 指导方针清单

局限性及不足之处

关注内容：反竞争法和反垄断法

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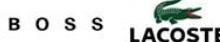


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Restricted Substances Guidance



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AFIRM RSL 指导方针清单

机会与机遇

可能存在多个品牌使用测试报告

需听从各个品牌客户的安排



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Restricted Substances Guidance



Apparel and Footwear International RSL Management Group

Parameters

Substance / Material	Lowest Level	Suitable Method Sample Prep	Suitable Method Measuring	Colour Coding
Antimony (As) total (CAS-No.: 7440-39-0)				
Textile	1 ppm	EN ISO 105-254 (2006) H ₂ O/HNO ₃	EN ISO 11382 (2006)	● (Yellow)
Leather	1 ppm	EN ISO 105-254 (2006)	EN ISO 11382	● (Yellow)
Trim parts, metal parts, jewelry	2 ppm	EN ISO 105-254 (2006)	EN ISO 11382	● (Yellow)
Antimony (As) total (CAS-No.: 7440-39-0)				
Textile	100 ppm for 100 % Polyester 30 mg/kg (maxim. textile)	Microwave digestion with H ₂ O/HNO ₃	EN ISO 11382 (2006)	● (Yellow)
Antimony (As) total (CAS-No.: 7440-39-0)				
Textile	1 ppm (B6)	Microwave digestion with H ₂ O/HNO ₃	EN ISO 11382	● (Green)
Leather	1 ppm (B6)	Microwave digestion with H ₂ O/HNO ₃	EN ISO 11382	● (Green)
Antimony (As) total (CAS-No.: 7440-39-0)				
Textile	1 ppm (B6)	Microwave digestion with H ₂ O/HNO ₃	EN ISO 11382	● (Green)
Leather	1 ppm (B6)	Microwave digestion with H ₂ O/HNO ₃	EN ISO 11382	● (Green)
Antimony (As) extractable (CAS-No.: 7440-43-8)				
Textile	0,1 ppm	EN ISO 105-534 (2006)	EN ISO 11382	● (Green)
Chromium (Cr) total (CAS-No.: 7440-49-8)				
Textile	1 ppm (B6)	Microwave digestion with H ₂ O/HNO ₃	EN ISO 11382	● (Green)
Leather	1 ppm (B6)	Microwave digestion with H ₂ O/HNO ₃	EN ISO 11382	● (Green)
Trim parts	40 ppm	Microwave digestion with H ₂ O/HNO ₃	EN ISO 11382	● (Yellow)
Chromium (Cr) extractable (CAS-No.: 7440-49-8)				
Textile	1000	EN T1-3	EN ISO 11382	● (Green)
Leather	1000	EN T1-3	EN ISO 11382	● (Green)
Trim parts	1000	EN T1-3	EN ISO 11382	● (Green)
Chromium (Cr) extractable (CAS-No.: 7440-47-0)				
Textile	1 mg/kg textile and artificial leather total, maxima chromium 3+ and Cr6+	EN ISO 105-254 (2006)	EN ISO 11382	● (Green)
Leather	100 mg/kg	EN ISO 105-254 (2006)	EN ISO 11382	● (Red)
Chromium (Cr) total (CAS-No.: 7440-49-8)				
Textile	100 mg/kg for Fabrics and selected wool extractable limit values	Microwave digestion with H ₂ O/H ₂ O ₂	EN ISO 11382	● (Red)
Chromium VI (Cr6+) total (CAS-No.: 18640-38-8)				
Leather	3 ppm	Leather aging: Draft CEN/TC 306 WG 24/IC 3007-10	§ 64 LPGB 02.03-11 (2006)	● (Red)

Version 01

AFIRM RSL 指导方针清单

结构和特征

颜色代码表示相关性

Colour Coding

Historically widely used / **High Occurrence level** and/or regulated by Law
 Historic known usages / **Mid Occurrence Level**
 Unlikely to be found, (and/or) not intentionally used / **Low Occurrence Level**

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Restricted Substances Guidance



Apparel and Footwear International RSL Management Group

Parameters



Substance/Material	Lowest Limit	Suitable Method Sample Prep	Suitable Method Measuring	Colour Coding
Antimony (As) total (CAS-No.: 7440-39-0)				
Textile	1 ppm	EN ISO 105-524 (2006)	EN ISO 17394-2	● ●
Leather	1 ppm	EN ISO 105-524 (2006)	EN ISO 17394-2	● ●
Trim parts, metal parts, jewelry	2 ppm			● ●
Antimony (As) total (CAS-No.: 7440-39-0)				
Textile	100 ppm for 100 % Polyester 30 mg/kg (resin/textile)	Microwave digestion with H ₂ O ₂ /HNO ₃	EN ISO 11395 (2006)	● ●
Antimony (As) total (CAS-No.: 7440-39-0)				
Textile	1 ppm (A6)	Microwave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17394-2	● ●
Leather	1 ppm (A6)	Microwave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17394-2	● ●
Asbestos (CAS-No.: multiple)				
TLV-based limit	usage ban	U.S. EPA/800R-02/11B	U.S. EPA/800R-02/11B	● ●
Chromium (Cr) extractable (CAS-No.: 7440-49-3)				
Textile	0.1 ppm	EN ISO 105-524 (2006)	EN ISO 17394-2	● ●
Chromium (Cr) total (CAS-No.: 7440-49-3)				
Textile	1 ppm (A6)	Microwave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17394-2	● ●
Leather	1 ppm (A6)	Microwave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17394-2	● ●
Trim parts	40 ppm	Microwave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17394-2	● ●
Chromium (Cr) extractable (CAS-No.: 7440-49-3)				
Textile	10000	EN T1-3	EN ISO 17394-2	● ●
Leather	10000	EN T1-3	EN ISO 17394-2	● ●
Trim parts	10000	EN T1-3	EN ISO 17394-2	● ●
Chromium (Cr) extractable (CAS-No.: 7440-49-3)				
Textile	1 mg/kg textile and article Leather total, massive chromium 3+ and Cr ₆₊	EN ISO 105-524 (2006)	EN ISO 17394-2	● ●
Leather	100 mg/kg	EN ISO 105-524 (2006)	EN ISO 17394-2	● ●
Chromium (Cr) total (CAS-No.: 7440-49-3)				
Textile	100 mg/kg for Fabrics and selected wet extractable limit applicables	Microwave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17394-2	● ●
Chromium VI (Cr VI) (CAS-No.: 18640-38-8)				
Leather	3 ppm	Leather aging: Draft CEN/TC 309 WG 24/IC 3007-10	§ 64 LPGB 02/03-11 (2006)	● ●

Version 01

AFIRM RSL 指导方针清单

结构和特征

- 物质/材料（及 CAS 登记号（如有））
- 最低限度
- 样品制备的适用方法
- 适用方法评估

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Apparel and Footwear International RSL Management Group

المادة	القيمة المطلوبة / المسمى	القيمة المطلوبة / المسمى	القيمة المطلوبة / المسمى	القيمة المطلوبة / المسمى
أسيتات	≤ 0.2 ppm	EN ISO 105-E04 (2009)	EN ISO 17294-2	
بروم	≤ 0.2 ppm	EN ISO 105-E04 (2009)	EN ISO 17294-2	
بروميد	≤ 0.2 ppm	EN ISO 105-E04 (2009)	EN ISO 17294-2	
بروموفنيل (CAS: 7439-92-1)	≤ 0.5 ppm (على الأقل)	المواد الممنوعة: H ₂ O/HNO ₃ المواد الممنوعة: CPSIA Part 101 16 CFR 1303	EN ISO 17294-2	
بروموفنيل (CAS: 7439-92-1)	≤ 0.5 ppm (على الأقل)	المواد الممنوعة: H ₂ O/HNO ₃ المواد الممنوعة: CPSIA Part 101 16 CFR 1303	EN ISO 17294-2	
بروموفنيل (CAS: 7439-92-1)	≤ 0.5 ppm (على الأقل)	المواد الممنوعة: H ₂ O/HNO ₃ المواد الممنوعة: CPSIA Part 101 16 CFR 1303	EN ISO 17294-2	
بروموفنيل (CAS: 7439-92-1)	≤ 0.5 ppm (على الأقل)	المواد الممنوعة: H ₂ O/HNO ₃ المواد الممنوعة: CPSIA Part 101 16 CFR 1303	EN ISO 17294-2	
بروموفنيل (CAS: 7439-92-1)	≤ 0.5 ppm (على الأقل)	المواد الممنوعة: H ₂ O/HNO ₃ المواد الممنوعة: CPSIA Part 101 16 CFR 1303	EN ISO 17294-2	
بروموفنيل (CAS: 7439-92-1)	≤ 0.5 ppm (على الأقل)	المواد الممنوعة: H ₂ O/HNO ₃ المواد الممنوعة: CPSIA Part 101 16 CFR 1303	EN ISO 17294-2	
بروموفنيل (CAS: 7439-92-1)	≤ 0.5 ppm (على الأقل)	المواد الممنوعة: H ₂ O/HNO ₃ المواد الممنوعة: CPSIA Part 101 16 CFR 1303	EN ISO 17294-2	

AFIRM RSL 指导方针清单

结构和特征 - 语言版本

实际上已翻译成 9 种语言，涵盖所有主要采购国家

المادة	القيمة المطلوبة	الوسائل المختبرية	الحد الأقصى	(CAS: 7439-92-1)
بروموفنيل (CAS: 7439-92-1)	≤ 0.2 ppm	EN ISO 17294-2 EN ISO 105-E04 (2009)	جزء في المليون (عالي)	جزء في المليون (عالي)
بروموفنيل (CAS: 7439-92-1)	≤ 0.2 ppm	EN ISO 17294-2 EN ISO 105-E04 (2009)	جزء في المليون (عالي)	جزء في المليون (عالي)
بروموفنيل (CAS: 7439-92-1)	≤ 0.2 ppm	EN ISO 17294-2 EN ISO 105-E04 (2009)	جزء في المليون (عالي)	جزء في المليون (عالي)
بروموفنيل (CAS: 7439-92-1)	≤ 0.5 ppm (على الأقل)	المواد الممنوعة: H ₂ O/HNO ₃ المواد الممنوعة: CPSIA Part 101 16 CFR 1303	جزء في المليون (عالي)	جزء في المليون (عالي)
بروموفنيل (CAS: 7439-92-1)	≤ 0.5 ppm (على الأقل)	المواد الممنوعة: H ₂ O/HNO ₃ المواد الممنوعة: CPSIA Part 101 16 CFR 1303	جزء في المليون (عالي)	جزء في المليون (عالي)
بروموفنيل (CAS: 7439-92-1)	≤ 0.5 ppm (على الأقل)	المواد الممنوعة: H ₂ O/HNO ₃ المواد الممنوعة: CPSIA Part 101 16 CFR 1303	جزء في المليون (عالي)	جزء في المليون (عالي)
بروموفنيل (CAS: 7439-92-1)	≤ 0.5 ppm (على الأقل)	المواد الممنوعة: H ₂ O/HNO ₃ المواد الممنوعة: CPSIA Part 101 16 CFR 1303	جزء في المليون (عالي)	جزء في المليون (عالي)
بروموفنيل (CAS: 7439-92-1)	≤ 0.5 ppm (على الأقل)	المواد الممنوعة: H ₂ O/HNO ₃ المواد الممنوعة: CPSIA Part 101 16 CFR 1303	جزء في المليون (عالي)	جزء في المليون (عالي)
بروموفنيل (CAS: 7439-92-1)	≤ 0.5 ppm (على الأقل)	المواد الممنوعة: H ₂ O/HNO ₃ المواد الممنوعة: CPSIA Part 101 16 CFR 1303	جزء في المليون (عالي)	جزء في المليون (عالي)

Chất/nguyên liệu	Giới hạn thấp nhất	Phương pháp phù hợp Chuẩn bị mẫu	Phương pháp phù hợp Đo lường	Mã màu sắc
Chì (Pb) có thể chiết xuất được (Số CAS: 7439-92-1)				
Sợi nguyên liệu	Cảm ứng n.d. (0.2 ppm)	EN ISO 105-E04 (2009)	EN ISO 17294-2	●
Da	Cảm ứng n.d. (0.2 ppm)	EN ISO 105-E04 (2009)	EN ISO 17294-2	●
Chì (Pb) tổng số (Số CAS: 7439-92-1)				
Sợi nguyên liệu	40 ppm (tất cả)	phâ mẫu bằng vi sóng với H ₂ O/HNO ₃ Chi trọng sơn và chất phủ bề mặt: CPSIA Phần 101 16 CFR 1303	EN ISO 17294-2	●
Da	40 ppm (tất cả)	phâ mẫu bằng vi sóng với H ₂ O/HNO ₃ Chi trọng sơn và chất phủ bề mặt: CPSIA Phần 101 16 CFR 1303	EN ISO 17294-2	●
Các phần trang trí	40 ppm (tất cả)	phâ mẫu bằng vi sóng với H ₂ O/HNO ₃ Chi trọng sơn và chất phủ bề mặt: CPSIA Phần 101 16 CFR 1303	EN ISO 17294-2	●



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AFIRM RSL 指导方针清单

对未来的意义 - 风向标

- 62 个报告
- 8 个主要物料代码

adidas GROUP

MEMO

At/To: Participating Business Partners of the AFIRM Guidance Pilot
Subject:
Re:
Date/DO: 15.02.2014

From/From: Marcus Klemmer
Alt/Dept: Social and Environmental Affairs
Telephone/Phone: +49 9132 64 3775
Fax: +49 9132 64 3542
Gutter/Page: 0

Pilot Project – The AFIRM Guidance List - Evaluation
Dear Colleague, Dear Valuable Business Partner:

As a company, the adidas - Group is committed to sustainable business practices and we apply these to the selection of the materials used in our products. We have therefore been developing sophisticated tools and policies in order to pro-actively provide product-related consumer- and environment-safety measurements, as one major policy to name here the adidas Group-A01 Policy for the Control and Monitoring of Hazardous Substances, which you are well familiar with.

In 2004 we have co-initiated a multi-brands coalition (AFIRM Group, www.adidas-group.com/afirmgroup/) and have been working together on the development of a common guidance list for the textile industry. Last year we published the AFIRM Guidance List (<http://www.adidas-group.com/afirmgroup/2013/afirmguidance.pdf>) which is further supported by expert information provided in the AFIRM Supplier Toolkit (<http://www.adidas-group.com/afirmgroup/2013/afirmsupplertoolkit.pdf>).

From Q4 2013 to February 2014 and in the frame of our Postwear A01 Random Testing Guidelines we have undergone a pilot project now with support of key Postwear Business Partners in China, Indonesia and Vietnam. A first evaluation of the results is provided hereby to indicate chances and opportunities of next steps, particularly in aiming for:

- the enhancement of transparency and management levels in regard of critical chemicals in the supply chain for better control of risks and security and benefits to all communities and the entire industry
- to reduce administrative burden and economic resources spent for testing without decreasing security in regard of material and product compliance

Testing and Results

Over all 42 reports tested according to the AFIRM guidance V 2.0 where reviewed. 20 of them being full material requirement tests, 42 being partial/limited to certain parameters.

The parameters have different backgrounds, i.e. being either

- a combination sum up to a full report
- Reviewing of failed individual parameters
- Under limited testing parameters of the Random policy
- Specific testing purpose as Lab testing for the US CPSC

The amount of data allow robust statistics and evaluations.



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AFIRM RSL 指导方针清单

获取途径

一般来说，建议定期访问 AFIRM 网站 <http://www.afirm-group.com> 该网站为获取附加信息、常见问题等的有价值来源。

AFIRM RSL 指导方针可免费下载获取

下载地址为 <http://www.afirm-group.com/PDF/AFIRMGuidance27June2012.pdf>

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Restricted Substances Guidance



Apparel and Footwear International RSL Management Group

Parameters



Substance/Material	Lowest Limit	Suitable Method Sample Prep	Suitable Method Measuring	Colour Coding
Antimony (Sb) total (CAS-No.: 7440-39-0)				
Textile	1 ppm	EN ISO 105-254 (2006)	EN ISO 17394-2	●
Leather	1 ppm	EN ISO 105-254 (2006)	EN ISO 17394-2	●
Trim parts, metal parts, jewelry	2 ppm		EN ISO 17394-2	●
Antimony (Sb) total (CAS-No.: 7440-39-0)				
Textile	100 ppm for 100 % Polyester, 130 ppm for 20 % PEG 30 mg/kg (maxim. textile)	Microwave digestion with H_2O_2/HNO_3	EN ISO 11385 (2006)	●
Barium (Ba) total (CAS-No.: 7440-36-0)				
Textile	usage ban	EN ISO 105-254 (2006)	EN ISO 17394-2	●
Leather	1 ppm (M)	Microwave digestion with H_2O_2/HNO_3	EN ISO 17394-2	●
Barium (Ba) total (CAS-No.: 7440-36-0)				
Textile	1 ppm (M)	Microwave digestion with H_2O_2/HNO_3	EN ISO 17394-2	●
Leather	1 ppm (M)	Microwave digestion with H_2O_2/HNO_3	EN ISO 17394-2	●
Barium (Ba) extractable (CAS-No.: multiple)				
TLV-based limit	usage ban	U.S. EPA 600R-02-11B	U.S. EPA 600R-02-11B	●
Chromium (Cr) extractable (CAS-No.: 7440-47-3)				
Textile	0.1 ppm	EN ISO 105-254 (2006)	EN ISO 17394-2	●
Chromium (Cr) total (CAS-No.: 7440-49-8)				
Textile	1 ppm (M)	Microwave digestion with H_2O_2/HNO_3	EN ISO 17394-2	●
Leather	1 ppm (M)	Microwave digestion with H_2O_2/HNO_3	EN ISO 17394-2	●
Trim parts	40 ppm	Microwave digestion with H_2O_2/HNO_3	EN ISO 17394-2	●
Chromium (Cr) extractable (CAS-No.: 7440-49-8)				
Textile	1000	EN 71-3	EN ISO 17394-2	●
Leather	1000	EN 71-3	EN ISO 17394-2	●
Trim parts	1000	EN 71-3	EN ISO 17394-2	●
Chromium (Cr) extractable (CAS-No.: 7440-47-3)				
Textile	1 mg/kg textile and artificial leather total, maxima chromium 3+ and Cr6+	EN ISO 105-254 (2006)	EN ISO 17394-2	●
Leather	100 mg/kg	EN ISO 105-254 (2006)	EN ISO 17394-2	●
Chromium (Cr) total (CAS-No.: 7440-47-3)				
Textile	100 mg/kg for Fabrics and selected wool extractable limit applies	Microwave digestion with H_2O_2/HNO_3	EN ISO 17394-2	●
Chromium VI (Cr VI) total (CAS-No.: 18640-38-8)				
Leather	3 ppm	Leather aging: Draft CEN/TC 306 WG 24 IEC 3057-10 (2006)	§ 64 LPGB 02.03-11 (2006)	●

Version 01

AFIRM RSL 指导方针清单

对未来的意义？

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感谢您有兴趣参加此次会议



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Environmental
Health & Safety
Social Responsibility

