

AFIRM 的历史



Marcus Kuerner
高级产品安全经理
adidas 集团



BESTSELLER ESPRIT



HUGO BOSS



J.CREW

LEVI STRAUSS & CO.



Phylmar Group

Environment
Health & Safety
Social Responsibility





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



AFIRM 的使命

- 减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。



BESTSELLER ESPRIT



HUGO BOSS



J.CREW

LEVI STRAUSS & CO.





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。



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

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



Restricted Substances Guidance



Apparel and Footwear International R&L 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



BESTSELLER ESPRIT



HUGO BOSS



J.CREW

LEVI STRAUSS & CO.



Phylmar Group

Environmental
Health & Safety
Social Responsibility





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

需听从各个品牌客户的安排



BESTSELLER ESPRIT



HUGO BOSS



J.CREW

LEVI STRAUSS & CO.



Phylmar Group



Restricted Substances Guidance



Apparel and Footwear International RSL Management Group

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.

需听从各个品牌客户的安排



BESTSELLER ESPRIT



HUGO BOSS



J.CREW

LEVI STRAUSS & CO.



Phylmar Group



Restricted Substances Guidance



Apparel and Footwear International RSL Management Group

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



BESTSELLER ESPRIT



HUGO BOSS



J.CREW

LEVI STRAUSS & CO.



Phylmar Group

Environment
Health & Safety
Social Responsibility



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, and 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

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, and 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.

需听从各个品牌客户的安排



BESTSELLER ESPRIT



HUGO BOSS



J.CREW

LEVI STRAUSS & CO.



Phylmar Group

Environmental Health & Safety Social Responsibility



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 intended to establish an 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, and 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 of any kind whatsoever resulting from any use of or reliance on the AFIRM RSL Guidance.

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

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.

需听从各个品牌客户的安排



BESTSELLER ESPRIT



HUGO BOSS



J.CREW

LEVI STRAUSS & CO.



Phylmar Group

Environmental Health & Safety Social Responsibility



Restricted Substances Guidance



Apparel and Footwear International R&L Management Group

Parameters



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

Substance / Material	Lowest Limit	Suitable Method Sample Prep.	Suitable Method Measuring	Colour Coding
Antimony (Sb) extractable (CAS.No.: 7440-50-9)				
Textile	2 ppm	EN ISO 105-04 (2006)	EN ISO 17294-2	●●
Leather	n.d.	EN ISO 105-04 (2006)	EN ISO 17294-2	●●
Tire parts, metal parts, jewelry	2 ppm			●●
Antimony (Sb) total (CAS.No.: 7440-50-9)				
Textile	250 ppm for 100% Polyester, 130 ppm for 50% PEU 30 mg/kg (natural textile)	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 11035 (2006)	●●
Arsenic (As) extractable (CAS.No.: 7440-39-2)				
Textile	1 mg/kg (dry 50% cotton)	EN ISO 105-04 (2006)	EN ISO 17294-2	●●
Arsenic (As) total (CAS.No.: 7440-39-2)				
Textile	1 ppm (sb)	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17294-2	●●
Leather	1 ppm (sb)	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17294-2	●●
Asbestos (CAS.No.: multiple)				
TLV/based on	Asbestos	U.S. EPA/808/40116	U.S. EPA/808/40116	●●
Cadmium (Cd) extractable (CAS.No.: 7440-43-8)				
Textile	0.1 ppm	EN ISO 105-04 (2006)	EN ISO 17294-2	●●
Cadmium (Cd) total (CAS.No.: 7440-43-8)				
Textile	1 ppm (sb)	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17294-2	●●
Leather	1 ppm (sb)	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17294-2	●●
Tire parts	40 ppm	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17294-2	●●
Barium (Ba) extractable (CAS.No.: 7440-39-3)				
Textile	1000	EN 71-3	EN ISO 17294-2	●●
Leather	1000	EN 71-3	EN ISO 17294-2	●●
Tire parts	1000	EN 71-3	EN ISO 17294-2	●●
Chromium (Cr) extractable (CAS.No.: 7440-47-3)				
Textile	1 mg/kg textile and artificial leather total, inorganic chromium 3s and Cr(VI)	EN ISO 105-04 (2006)	EN ISO 17294-2	●●
Leather	100 mg/kg	EN ISO 105-04 (2006)	EN ISO 17294-2	●●
Chromium (Cr) total (CAS.No.: 7440-47-3)				
Textile	100 mg/kg for PABA and related wool extractable limit method	Micro-wave digestion with HNO ₃ /H ₂ O ₂	EN ISO 17294-2	●●
Chromium VI (CAS.No.: 1346-38-9)				
Leather	3 ppm	Leather aging: Draft CEN/TC 309 WG 29 40 2007-10	§ 64 LFGB 82:02-11 (2006)	●●

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**

需听从各个品牌客户的安排



Restricted Substances Guidance



Apparel and Footwear International R&L Management Group

Parameters



Substance/Material	Lowest Limit	Suitable Method Example Prep.	Suitable Method Measuring	Colour Cofixal
Antimony (Sb) extractable (CAS.No.: 7440-50-9)				
Textile	2 ppm	EN ISO 105-204 (2006)	EN ISO 17294-2	●●
Leather	n.d.	EN ISO 105-204 (2006)	EN ISO 17294-2	●●
Titan parts, metal parts, jewelry	2 ppm			●●
Antimony (Sb) total (CAS.No.: 7440-50-9)				
Textile	150 ppm for 100% Polyamide, 130 ppm for 50% PEU 30 mg/kg (natural textile)	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 11037 (2006)	●●
Arsenic (As) extractable (CAS.No.: 7440-39-2)				
Textile	1 mg/kg (skin) 0.3 ppm (all)	EN ISO 105-204 (2006)	EN ISO 17294-2	●●
Arsenic (As) total (CAS.No.: 7440-39-2)				
Textile	1 ppm (all)	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17294-2	●●
Leather	1 ppm (all)	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17294-2	●●
Asbestos (CAS.No.: multiple)				
(LV) based on	1 mg/kg (skin)	U.S. EPA/600/R-60/116	U.S. EPA/600/R-60/116	●●
Cadmium (Cd) extractable (CAS.No.: 7440-43-8)				
Textile	0.1 ppm	EN ISO 105-204 (2006)	EN ISO 17294-2	●●
Cadmium (Cd) total (CAS.No.: 7440-43-8)				
Textile	1 ppm (all)	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17294-2	●●
Leather	1 ppm (all)	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17294-2	●●
Titan parts	40 ppm	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17294-2	●●
Barium (Ba) extractable (CAS.No.: 7440-39-3)				
Textile	1000	EN 71-3	EN ISO 17294-2	●●
Leather	1000	EN 71-3	EN ISO 17294-2	●●
Titan parts	1000	EN 71-3	EN ISO 17294-2	●●
Chromium (Cr) extractable (CAS.No.: 7440-47-3)				
Textile	1 mg/kg textile and artificial leather total, inorganic chromium 3s and Cr(VI)	EN ISO 105-204 (2006)	EN ISO 17294-2	●●
Leather	100 mg/kg	EN ISO 105-204 (2006)	EN ISO 17294-2	●●
Chromium (Cr) total (CAS.No.: 7440-47-3)				
Textile	100 mg/kg for Polyamide and washed wool extractable limit textile	Micro-wave digestion with HNO ₃ /H ₂ O ₂	EN ISO 17294-2	●●
Chromium VI (CAS.No.: 1344-28-4)				
Leather	3 ppm	Leather aging: Draft CEN/TC 309 WG 29 40: 2007-10	64 LFSB 82 02-11 (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

需听从各个品牌客户的安排



BESTSELLER ESPRIT



HUGO BOSS



J.CREW

LEVI STRAUSS & CO.



Phylmar Group

Environments
Health & Safety
Social Responsibility



Restricted Substances Guidance



Apparel and Footwear International R&L Management Group

Table with columns: CAS, Chemical Name, and various regulatory codes (e.g., EN ISO 17294-2, EN ISO 105-E04).

Table with columns: CAS, Chemical Name, and various regulatory codes. Includes Arabic text: 'المعايير' and 'عدد الأتاني'.

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

Các thông số

Chất/nguyên liệu	Giới hạn thấp nhất	Phương pháp phù hợp Chuẩn bị mẫu	Phương pháp phù hợp Đo lường	Mã màu sắc
Chỉ (Pb) có thể chiết xuất được (Số CAS: 7439-92-1)				
Sợi nguyên liệu	Cấm dùng n.d. (0,2 ppm)	EN ISO 105-E04 (2009)	EN ISO 17294-2	●
Da	Cấm dùng n.d. (0,2 ppm)	EN ISO 105-E04 (2009)	EN ISO 17294-2	●
Chỉ (Pb) tổng số (Số CAS: 7439-92-1)				
Sợi nguyên liệu	40 ppm (tất cả)	phả mẫu bằng vi sóng với H ₂ O ₂ /HNO ₃ Chỉ trong sơn và chất phủ bề mặt: CPSIA Phần 101 16 CFR 1303	EN ISO 17294-2	●
Da	40 ppm (tất cả)	phả mẫu bằng vi sóng với H ₂ O ₂ /HNO ₃ Chỉ trong sơn và chất phủ bề mặt: CPSIA Phần 101 16 CFR 1303	EN ISO 17294-2	●
Các phần trang trí	40 ppm (tất cả)	phả mẫu bằng vi sóng với H ₂ O ₂ /HNO ₃ Chỉ trong sơn và chất phủ bề mặt: CPSIA Phần 101 16 CFR 1303	EN ISO 17294-2	●



Restricted Substances Guidance



Apparel and Footwear International RSL Management Group

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>

需听从各个品牌客户的安排



BESTSELLER ESPRIT



HUGO BOSS



J.CREW

LEVI STRAUSS & CO.



Phylmar Group

Environment
Health & Safety
Social Responsibility



Restricted Substances Guidance



Apparel and Footwear International R&L Management Group

Parameters



Substance/Material	Lowest Limit	Suitable Method Example Prep.	Suitable Method Measuring	Colour Cofixal
Antimony (Sb) extractable (CAS.No.: 7440-50-9)				
Textile	2 ppm	EN ISO 105-204 (2006)	EN ISO 17294-2	●●
Leather	n.d.	EN ISO 105-254 (2006)	EN ISO 17294-2	●●
Tire parts, metal parts, jewelry	2 ppm			●●
Antimony (Sb) total (CAS.No.: 7440-50-9)				
Textile	150 ppm for 100% Polyamide, 130 ppm for 50% PEU 50 mg/kg (natural textile)	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 11037 (2006)	●●
Arsenic (As) extractable (CAS.No.: 7440-39-2)				
Textile	1 mg/kg (all)	EN ISO 105-204 (2006)	EN ISO 17294-2	●●
Arsenic (As) total (CAS.No.: 7440-39-2)				
Textile	1 ppm (all)	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17294-2	●●
Leather	1 ppm (all)	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17294-2	●●
Asbestos (CAS.No.: multiple)				
TLV based on	1 mg/kg	U.S. EPA/800/8-60116	U.S. EPA/800/8-60116	●●
Cadmium (Cd) extractable (CAS.No.: 7440-43-8)				
Textile	0.1 ppm	EN ISO 105-204 (2006)	EN ISO 17294-2	●●
Cadmium (Cd) total (CAS.No.: 7440-43-8)				
Textile	1 ppm (all)	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17294-2	●●
Leather	1 ppm (all)	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17294-2	●●
Tire parts	40 ppm	Micro-wave digestion with H ₂ O ₂ /HNO ₃	EN ISO 17294-2	●●
Barium (Ba) extractable (CAS.No.: 7440-39-3)				
Textile	1000	EN 71-3	EN ISO 17294-2	●●
Leather	1000	EN 71-3	EN ISO 17294-2	●●
Tire parts	1000	EN 71-3	EN ISO 17294-2	●●
Chromium (Cr) extractable (CAS.No.: 7440-47-3)				
Textile	1 mg/kg textile and artificial leather test, inorganic chromium 3s and Cr(VI)	EN ISO 105-204 (2006)	EN ISO 17294-2	●●
Leather	50 mg/kg	EN ISO 105-204 (2006)	EN ISO 17294-2	●●
Chromium (Cr) total (CAS.No.: 7440-47-3)				
Textile	100 mg/kg for PA66 and waxed wool extractable limit in leather	Micro-wave digestion with HNO ₃ /H ₂ O ₂	EN ISO 17294-2	●●
Chromium VI (CAS.No.: 3546-58-4)				
Leather	3 ppm	Leather aging: Draft CEN/TC 309 WG 29 40: 2007-10	§ 64 LFG 82 02-11 (2006)	●●

Version 01

AFIRM RSL 指导方针清单

对未来的意义？

需听从各个品牌客户的安排！

感谢您有兴趣参加此次会议

