



SmartPak Equine LLC TEXTILE TESTING MANUAL

February 20, 2018

INDEX

Manual Revision Log	3
Contact Information	4
Introduction.....	7
Regulations	8
Testing Procedures.....	10
SmartPak/Vendor/Laboratory Responsibilities	13
SmartPak Test Request Form	15
SmartPak Test Requirement Chart.....	17
Performance Standards Index	22
Appendix 1: United States Restricted Substances	33
REQUIREMENTS FOR THE UNITED STATES	33
US STATE REGULATIONS FOR TOXICS OF HIGH CONCERN	33
SGS Laboratory Locations.....	34

Manual Revision Log

No.	Date	By	Revision
1	12-16- 2017	D Chronicle	Initial
2	12-28-2017	M Yu	Changed the "Standard 6 Regulation" to "Standard 7 Restricted Substance" Added the protocol and test request chart for Standard 6 Leather Boots
3	2-6-2018	D Chronicle	Added UPF if requested to protocol to horse blankets and test requirement chart
4	2-20-2018	D Chronicle	Launch of Program

Contact Information

SmartPak Equine LLC

40 Grissom Road Suite 500
Plymouth, MA 02360

Contact Name: Terri Danaher
Title: Merchandising Department
Telephone: 1-508-503-2067
Fax: 1-774-773-1444
Email: TDanaher@SmartPak.com

SGS

291 Fairfield Avenue
Fairfield, NJ 07004

Account Executive:

Name: Debra Chronicle
Title: International Sales Executive
National Accounts Manager/Global Key Account Manager
Contact for: Global service development critical account issues
Phone: 508-431-8000
Email: debra.chronicle@sgs.com

US Client Service Representative:

Name: Alberesha (Besha) Sulejmani-Hani
Title: Customer Service Representative
Contact for: Day to day activities and correspondence, inspection coordination, local testing status, operational issues.
Phone: (973) 461-7949
Email: Alberesha.Sulejman@sgs.com

US Technical Support:

Name: Bopanna Poonacha
Title: Manager, Technical Projects- Softlines

Contact for: Testing manual development and updates, test and package pricing, technical support on testing performance and standards

Phone: 973-461-7965
Email: Bopanna.Poonacha@sgs.com

Asia Account Manager:

Name:
Title:
Telephone:
Email:

Vendor Confirmation Letter

I acknowledge receipt of the SmartPak's Testing Manual (dated ____ 12-16-2017_ edition).

I have read and understand fully the importance of compliance to the procedures and policies set in this manual and agree to comply with them.

Please type or print

Date: _____

Company Name: _____

Company Address: _____

Telephone #: _____

E-mail Address: _____

Fax #: _____

Name of Company Officer: _____

Signature of Company Officer: _____

Please be sure to complete and sign this form and return via e-mail to the below contact within 14 days.

SmartPak Equine LLC
40 Grissom Road Suite 500
Plymouth, MA 02360

Attention: Terri Danaher

Email: tesquality@smartpak.com

INTRODUCTION

Government Regulations

Introduction

- Performance testing serves to assure product durability, safety, and compliance with government regulations, consumer satisfaction and reduced customer returns.
- These Standard Operating Procedures and Performance Standards have been developed by SGS as a combined result of testing experience, participation in national standards organizations, and input from SmartPak and industry leaders around the world.
- The Performance Standards are listed by major merchandise category, and define specific performance parameters. These standards are further detailed according to woven or knit construction, by fiber, by type of color application, and by finishing technique. Each factor will influence performance requirements and tolerances.
- SmartPak requires that all merchandise meet or exceed the outlined performance requirements and meet guideline care instructions. Tests will be conducted at SGS laboratories, and a SGS laboratory report with a favorable rating must be attained prior to production and shipping of merchandise.
- All reports will be reviewed and evaluated by SmartPak's Quality Assurance Division.
- This manual applies to SmartPak and all its subsidiaries and divisions and is not to be reproduced, in part or in whole, without written permission from SmartPak and SGS.

Regulations

U.S. Government

All merchandise sold to SmartPak, must meet the provisions of all U.S. Federal, State and Local Regulations. These include, but are not limited to:

- Code of Federal Regulations – Standard for the Flammability of Clothing Textiles
- FTC Trade Regulation Rule for Care Labeling of Textile Wearing Apparel

<https://www.ftc.gov/tips-advice/business-center/guidance/threading-your-way-through-labeling-requirements-under-textile>

- FTC Rules and Regulations under the Textile Fiber Products Identification Act
- FTC Rules and Regulations under the Wool Products Labeling Act
- FTC Guides for the Feather and Down Products Industry
- FTC Rules and Regulations under the Fur Products Labeling Act
- CPSC Rules and Regulations
- For additional guidelines of US Restricted Substance Guidelines see Appendix 1:

Suppliers must provide a continuing guarantee of compliance or test results assuring that requirements of all U.S. Federal, State and Local Regulations are met.

PROCEDURES
TESTING PROGRAM
SAMPLE SUBMISSION
TEST REPORTS
REPORT DISTRIBUTION
SAMPLE RETURN
BILLING
RETESTS
RESPONSIBILITIES

Testing Procedures

TESTING PROGRAM

The SmartPak test program must be followed as per the Test Requirement Chart in the SmartPak manual.

QUALITY TESTING

Full Garment /Fabric Test Package is to be completed on one color only.
Additional Colors Test Package is to be completed on all additional colors

COMPLIANCE TESTING

Composite Testing:

Composite Testing is allowed up to 3 colors/substrates. If Composite testing results are “**Conditional Pass**”, individual testing is to be performed automatically to identify which color/substrate is “**Fail**”.

When the Individual Lead in Paint and Substrate Requirements are 90ppm and 100 ppm respectively, the composite testing requirements per CPSC shall be as follows (Calculation is based upon Smallest Sample Weight)

For 2-in-1 Composite		
Lead in Paint	Lead in Substrate	Conclusion
< 72 ppm	< 80 ppm	Pass
72 ppm ≤ Results < 180 ppm	80 ppm ≤ Results < 200 ppm	Interim Fail
≥ 180 ppm	≥ 200 ppm	Fail
For 3-in-1 Composite		
Lead in Paint	Lead in Substrate	Conclusion
< 72 ppm	< 80 ppm	Pass
72 ppm ≤ Results < 270 ppm	80 ppm ≤ Results < 300 ppm	Interim Fail
≥ 270 ppm	≥ 300 ppm	Fail

PASS: Clear pass for all parts in the composite mix – The requirements are slightly lower to cover the margin of error possible when mixing parts for a single test.

INTERIM FAIL: Results in this range are most likely a fail for all parts, but individual part re-testing can be requested to confirm if any of the individual parts pass.

FAIL: Clear fail for all parts in the composite mix – Based on the math, all parts would be over the allowable individual limits.

Testing Procedures Contd.

SAMPLE SUBMISSION

Test Request Form

The applicant must fully complete a SmartPak/SGS Test Request Form (as included in this manual). Full information must be included. Testing cannot begin without complete information. If the appropriate SmartPak/SGS Test Request Form is not used, the lab will not be able to follow the SmartPak's testing program and provide agreed upon pricing.

Sample Size

Sample Requirements:

Fabric Sample Requirements:

- **Two yards** of one color and **one yard** of each additional color.
- All colorfastness testing must be conducted on bulk production colors.

To avoid delays, duplication of tests and to reduce cost, all colors must be submitted at the same time.

Garment /Horse Gear -Sample Requirements

- **Two samples- Horse Blankets, Horse Tack, and Saddle Pads** are needed for testing. The lab may cut a swatch from the item to be used as the control.
- **Three samples -Knitted Tees, Breeches or Outerwear** are needed for garments that are colorblocked or have decorative trims, such as appliqués, ribbons, bows, etc. (one sample to be used as a control).
- Garments must contain all accessories (buttons, zippers, trims, etc.) that will be used in bulk production. The actual manufacturer must make the sample on production machinery.

Regulatory Test Sample Requirements:

Test Items	Sample size
Wearing Apparel Flammability	3 Garments
Small Parts	1 Article
Sharp Points/ Sharp Edges	1 Article
RESTRICTED SUBSTANCE	
Lead / Cadmium in Paint - per color	1 g dried paint = approximately 50 snaps, buttons, beads, sequins for coated snaps only 15 zipper tabs 10 zippers
Lead / Cadmium content in substrates- per color	2 g substrate = approximately 5 snaps, buttons, zipper tabs, buckles 5 zippers 50 beads, sequins
Phthalates –per material	5g 1 bag, 2 pair shoes 5" X 5" sheet
Formaldehyde –per material	3 g

TURNAROUND TIME

SGS will offer standard testing services:

- Regular services take 5 working days after receipt of samples
- Express services are available within 3 working days after receipt of samples and confirmation of quotation. There is an express surcharge of 50%.

TEST REPORTS

The SmartPak Report Format, as included in this manual must be used by all laboratories.

- An overall rating of the tested sample must be indicated as “Pass”, “Conditional Pass” or “Fail” on the top of the report.
- Each individual test must be indicated as “Pass”, “Conditional Pass” or “Fail”, when compared to the SmartPak’s requirements.
- SmartPak’s requirements must be listed on the right side of each test results page.

REPORT DISTRIBUTION

Email reports to:

- SmartPak: Terri Danaher tesquality@smartpak.com
- Vendor: Name & email address on Test Request Form (TRF)
- **Other:**

Hard copy with test swatches to:

- Requestor for initial review and to be forwarded to SmartPak
- Mailing charges are to be paid by: requestor

Testing Procedures Contd.

SAMPLE RETURN

- The tested sample(s) and controls must be identified with report and style number.
- Samples will be returned on a requested basis.
- Sample return mailing charges will be paid by: requestor

BILLING

SGS directly bills the applicant for the testing, as per the agreed SmartPak/SGS Pricing Package. Procedures may vary according to local or specially arranged practices. The normal invoice process in the USA involves payment in advance or, if credit has been approved, payment from the invoice that accompanies the test report.

Credit Approval

The opportunity to submit test samples without prepayment for services is offered to qualifying SmartPak and their suppliers. To qualify for this opportunity, a credit application must be submitted by each company and credit approval granted. Once credit approval has been approved, testing can begin promptly without any prepayment. Credit approval process may vary with all regions. Key account managers will contact suppliers with any additional information with credit approval terms.

Collection

Upon approval of a credit account SGS standard credit terms for invoice payment in the USA are Net 30 days from date of invoice. If an account becomes outstanding beyond these terms SGS will take such collection action as is deemed necessary and appropriate.

If the arrangement with the SmartPak is for SGS to directly bill the SmartPak’s vendors, SGS will request guaranty of vendor payment by the SmartPak and will seek collection from the SmartPak in event of the vendor’s default beyond SGS standard credit terms.

RETESTS

Only tests that originally failed are to be retested. Vendor is to be billed for the retest report.

SmartPak/Vendor/Laboratory Responsibilities

Client Quality Assurance Responsibility

- Provide vendor with a copy of SmartPak Quality Assurance Manual.
- Identify the styles to be tested and determine the specific tests to be conducted.
- Propose Care Label.
- Evaluate all laboratory reports.

Vendor Responsibility

- Fill out SmartPak/SGS Laboratory Test Request Form.
- Timely sample submission to the local SGS Laboratory, with a copy of the completed SGS Test Request Form.
- All Performance Standards must be met before care labels are ordered. If care labels are ordered prior to obtaining passing test results and new care labels are required, vendor will be responsible to order new labels at his own expense.
- Only test reports from SGS will be accepted.
- Payment to laboratory for all testing.

SGS Testing Laboratory Responsibility

- Distribute SmartPak Quality Assurance manual to approved SGS Laboratories
- Conduct tests as requested and evaluate test results.
- Report is to include results, requirements, pass/conditional pass/fail and conclusion.
- Reports are to be issued within five (5) business days* via email.

TESTING
TEST REQUEST FORM
TESTING REQUIREMENT CHART
TEST REPORT FORMAT

SMARTPAK EQUINE LLC TEST REQUEST FORM

Sales Executive: Debra Chronicle debra.chronicle@sgs.com

Customer Service: Alberesha Sulejmani- Hani Alberesha.Sulejmani-Hani@sgs.com

DIVISION:	CONTACT PERSON:
VENDOR:	EMAIL:
ADDRESS:	
PHONE:	FAX:
VENDOR'S COURIER ACCOUNT # FOR SAMPLE RETURN:	
REPORTS TO: tesquality@smarpak.com	
BILL TO:	
ADDRESS:	
SAMPLE DESCRIPTION:	END USE:
<input type="checkbox"/> CHILDREN (up to age 12 and under) <input type="checkbox"/> ADULT	
COLOR:	SUPPLIER #:
STYLE #:	PO# / REF#:
MFG:	COUNTRY OF ORIGIN:
FIBER CONTENT:	WEIGHT:
FABRIC:	CONSTRUCTION:
	COUNT:
VENDOR PROPOSED CARE INSTRUCTION: (Must be filled in below in order for testing to start)	
Package Test: (double click on box, select "check")	
Fabric: <input type="checkbox"/> Pre-Production Fabric Package <input type="checkbox"/> Knitted Tee <input type="checkbox"/> Breeches/ Outerwear <input type="checkbox"/> Additional Colorways Garments <input type="checkbox"/> Breeches/ Outerwear Package <input type="checkbox"/> Knit Tee Package	<input type="checkbox"/> Horse Blanket Package <input type="checkbox"/> Horse Tack <input type="checkbox"/> Saddle Pads <input type="checkbox"/> Leather Boots
<input type="checkbox"/> Retest: Previous Report Number:	Date:
RSL TESTING- by material category: <input type="checkbox"/> Plastics and Synthetic Materials -PU, PVC, Rubber, TPU, TPR, EVA <input type="checkbox"/> Paint / Coating/ Surface Prints	<input type="checkbox"/> Natural Textiles <input type="checkbox"/> Synthetic Textiles <input type="checkbox"/> Metal parts <input type="checkbox"/> Natural Leather Notes:
Additional Tests (Please specify below): <input type="checkbox"/> Water Resistance (Rain) <input type="checkbox"/> Water Proof Hydrostatic <input type="checkbox"/> UPF Protection (if claimed)	<input type="checkbox"/> Snap Unsnapping Strength <input type="checkbox"/> Corrosion Resistance <input type="checkbox"/> Zipper Strength Test <input type="checkbox"/> Other
SUPPLIER SIGNATURE:	
DATE:	
NOTE: Applicant is hereby authorizing SGS to provide a copy of the lab test results to Client	
Service Required: <input type="checkbox"/> Regular (5 days) <input type="checkbox"/> Express (3 days): Surcharge: US: 50% Asia: 40% <input type="checkbox"/> Return Residual Sample	

GENERAL CONDITIONS OF SERVICE

1. General

(a) Unless otherwise agreed in writing or except where they are at variance with (i) the regulations governing services performed on behalf of governments, government bodies or any other public entity or (ii) the mandatory provisions of local law, all offers or services and all resulting contractual relationship(s) between any of the affiliated companies of SGS North America Inc. or any of their agents (each a "Company") and Client (the "Contractual Relationship(s)") shall be governed by these general conditions of service (hereinafter the "General Conditions").

(b) The Company may perform services for persons or entities (private, public or governmental) issuing instructions (hereinafter, the "Client").

(c) Unless the Company receives prior written instructions to the contrary from Client, no other party is entitled to give instructions, particularly on the scope of the services or the delivery of reports or certificates resulting therefrom (the "Reports of Findings"). Client hereby irrevocably authorises the Company to deliver Reports of Findings to a third party where so instructed by Client or, at its discretion, where it implicitly follows from circumstances, trade custom, usage or practice.

2. Provision of Services

(a) The Company will provide services using reasonable care and skill and in accordance with Client's specific instructions as confirmed by the Company or, in the absence of such instructions:

- (1) the terms of any standard order form or standard specification sheet of the Company; and/or
- (2) any relevant trade custom, usage or practice; and/or
- (3) such methods as the Company shall consider appropriate on technical, operational and/or financial grounds.

(b) Information stated in Reports of Findings is derived from the results of inspection or testing procedures carried out in accordance with the instructions of Client, and/or our assessment of such results on the basis of any technical standards, trade custom or practice, or other circumstances which should in our professional opinion be taken into account.

(c) Reports of Findings issued further to the testing of samples contain the Company's opinion on those samples only and do not express any opinion upon the lot from which the samples were drawn.

(d) Should Client request that the Company witness any third party intervention, Client agrees that the Company's sole responsibility is to be present at the time of the third party's intervention and to forward the results, or confirm the occurrence, of the intervention. Client agrees that the Company is not responsible for the condition or calibration of apparatus, instruments and measuring devices used, the analysis methods applied, the qualifications, actions or omissions of third party personnel or the analysis results.

(e) Reports of Findings issued by the Company will reflect the facts as recorded by it at the time of its intervention only and within the limits of the instructions received or, in the absence of such instructions, within the limits of the alternative parameters applied as provided for in clause 2(a). The Company is under no obligation to refer to, or report upon, any facts or circumstances which are outside the specific instructions received or alternative parameters applied.

(f) The Company may delegate the performance of all or part of the services to an agent or subcontractor and Client authorises Company to disclose all information necessary for such performance to the agent or subcontractor.

(g) Should Company receive documents reflecting engagements contracted between Client and third parties or third party documents,

such as copies of sale contracts, letters of credit, bills of lading, etc., they are considered to be for information only, and do not extend or restrict the scope of the services or the obligations accepted by the Company.

(h) Client acknowledges that the Company, by providing the services, neither takes the place of Client or any third party, nor releases them from any of their obligations, nor otherwise assumes, abridges, abrogates or undertakes to discharge any duty of Client to any third party or that of any third party to Client.

(i) All samples shall be retained for a maximum of 3 months or such other shorter time period as the nature of the sample permits and then returned to Client or otherwise disposed of at the Company's discretion after which time Company shall cease to have any responsibility for such samples. Storage of samples for more than 3 months shall incur a storage charge payable by Client. Client will be billed a handling and freight fee if samples are returned. Special disposal charges will be billed to Client if incurred.

3. Obligations of Client

The Client will:

(a) ensure that sufficient information, instructions and documents are given in due time (and, in any event not later than 48 hours prior to the desired intervention) to enable the required services to be performed;

(b) procure all necessary access for the Company's representatives to the premises where the services are to be performed and take all necessary steps to eliminate or remedy any obstacles to, or interruptions in, the performance of the services;

(c) supply, if required, any special equipment and personnel necessary for the performance of the services;

(d) ensure that all necessary measures are taken for safety and security of working conditions, sites and installations during the performance of services and will not rely, in this respect, on the Company's advice whether required or not;

(e) inform Company in advance of any known hazards or dangers, actual or potential, associated with any order or samples or testing including, for example, presence or risk of radiation, toxic or noxious or explosive elements or materials, environmental pollution or poisons;

(f) fully exercise all its rights and discharge all its liabilities under any relevant sales or other contract with a third party and at law.

4. Fees and Payment

(a) Fees not established between the Company and Client at the time the order is placed or a contract is negotiated shall be at the Company's standard rates (which are subject to change) and all applicable taxes shall be payable by Client.

(b) Unless a shorter period is established in the invoice, Client will promptly pay not later than 30 days from the relevant invoice date or within such other period as may be established by the Company in the invoice (the "Due Date") all fees due to the Company failing which interest will become due at a rate of 1.5% per month (or such other rate as may be established in the invoice) from the Due Date up to and including the date payment is actually received.

(c) Client shall not be entitled to retain or defer payment of any sums due to the Company on account of any dispute, counter claim or set off which it may allege against the Company.

(d) Company may elect to bring action for the collection of unpaid fees in any court having competent jurisdiction.

GENERAL CONDITIONS OF SERVICE

(e) Client shall pay all of the Company's collection costs, including attorney's fees and related costs.

(f) In the event any unforeseen problems or expenses arise in the course of carrying out the services the Company shall endeavour to inform Client and shall be entitled to charge additional fees to cover extra time and cost necessarily incurred to complete the services.

(g) If the Company is unable to perform all or part of the services for any cause whatsoever outside the Company's control including failure by Client to comply with any of its obligations provided for in clause 3 above the Company shall nevertheless be entitled to payment of:

(1) the amount of all non-refundable expenses incurred by the Company; and

(2) a proportion of the agreed fee equal to the proportion of the services actually carried out.

5. Suspension or Termination of Services

The Company shall be entitled to immediately and without liability either suspend or terminate provision of the services in the event of:

(a) failure by the Client to comply with any of its obligations hereunder and such failure is not remedied within 10 days that notice of such failure has been notified to Client; or

(b) any suspension of payment, arrangement with creditors, bankruptcy, insolvency, receivership or cessation of business by Client.

6. Liability and Indemnification

(a) Limitation of Liability:

(1) The Company is neither an insurer nor a guarantor and disclaims all liability in such capacity. Clients seeking a guarantee against loss or damage should obtain appropriate insurance.

(2) Reports of Findings are issued on the basis of information, documents and/or samples provided by, or on behalf of, Client and solely for the benefit of Client who is responsible for acting as it sees fit on the basis of such Reports of Findings. Neither the Company nor any of its officers, employees, agents or subcontractors shall be liable to Client nor any third party for any actions taken or not taken on the basis of such Reports of Findings nor for any incorrect results arising from unclear, erroneous, incomplete, misleading or false information provided to the Company.

(3) The Company shall not be liable for any delayed, partial or total non-performance of the services arising directly or indirectly from any event outside the Company's control including failure by Client to comply with any of its obligations hereunder.

(4) The liability of the Company in respect of any claim for loss, damage or expense of any nature and howsoever arising shall in no circumstances exceed a total aggregate sum equal to 10 times the amount of the fee paid in respect of the specific service which gives rise to such claim or US\$20,000 (or its equivalent in local currency), whichever is the lesser.

(5) The Company shall have no liability for any indirect or consequential loss including without limitation loss of profits, loss of business, loss of opportunity, loss of goodwill and cost of product recall. It shall further have no liability for any loss, damage or expense arising from the claims of any third party (including, without limitation, product liability claims) that may be incurred by the Client.

(6) In the event of any claim, Client must give written notice to the Company within 30 days of discovery of the facts alleged to justify such claim and, in any case, the Company shall be discharged from all liability for all claims for loss, damage or

expense unless suit is brought within one year from:

(i) the date of performance by the Company of the service which gives rise to the claim; or

(ii) the date when the service should have been completed in the event of any alleged non-performance.

(b) Indemnification: Client shall guarantee, hold harmless and indemnify the Company and its officers, employees, agents or subcontractors against all claims (actual or threatened) by any third party for loss, damage or expense of whatsoever nature including all legal expenses and related costs and howsoever arising relating to the performance, purported performance or non-performance, of any services.

7. Miscellaneous

(a) If any one or more provisions of these General Conditions are found to be illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.

(b) During the course of providing the services and for a period of one year thereafter Client shall not directly or indirectly entice, encourage or make any offer to Company's employees to leave their employment with the Company.

(c) Use of the Company's corporate name or registered marks for advertising purposes is not permitted without the Company's prior written authorisation.

8. Governing Law, Jurisdiction and Dispute Resolution

Unless specifically agreed otherwise, all disputes arising out or in connection with Contractual Relationship(s) hereunder shall be governed by the substantive laws of the State of New Jersey exclusive of any rules with respect to conflicts of laws and be finally settled under the Rules of Arbitration of the International Chamber of Commerce by one or more arbitrators appointed in accordance with the said rules. The arbitration shall take place in Hackensack, New Jersey and be conducted in the English language.

SmartPak Test Requirement Chart

PACKAGE TEST LIST (Mandatory Tests)	Apparel Pre-Production Fabric	Additional Colorway	Knitted Gament Tee, Breeches or Outerwear With Out Prior Fabric Testing	Knitted Garment Tee, Breeches or Outerwear With Prior Fabric Testing	Horse Blanket	Horse Tack	Saddle Pads	Leather Boots
Dimensional Stability in Laundering (3 cycles) or Dry Cleaning (1 cycle)	X		X	X	X			
Appearance after Laundering or Dry Cleaning	X		X	X	X		X	
Colorfastness to Laundering or Dry Cleaning (Accelerated)	X	X						
Fiber Analysis	X		X		X			
Fabric Weight	X		X		X			
Colorfastness to Light (20 hrs)	X	X	X		X		X	X
Colorfastness to Perspiration	X	X	X		X		X	X
Colorfastness to Water	X	X	X		X		X	
Colorfastness to Water Spotting								X
Colorfastness to Chlorine Bleach	X	X	X		X		X	
Colorfastness to Non- Chlorine Bleach	X	X	X		X		X	
Colorfastness to Crocking	X	X	X		X		X	X
Pilling Resistance (per protocol)	X		X		X		X	
Seam Strength/ Seam Bursting			X	X	X			X
Bursting/ Tensile Strength	X		X	X	X	X		
Leather Tensile Strength						X		
Weight & Type of Insulation			If applicable	If applicable			If applicable	
UPF			If claimed	If claimed	If claimed			If applicable
Zipper Strength			If applicable	If applicable	If applicable			If applicable

Snap Test			If applicable	If applicable	If applicable	If applicable		
Corrosion Resistance			If applicable	If applicable	If applicable	If applicable		If applicable
Attachment Strength			If applicable	If applicable	If applicable	If applicable		If applicable
Water Resistance/ Proof			If claimed	If claimed	If claimed			If claimed
Slip Resistance								X
Abrasion Resistance/ Sole Wearing Resistance of Footwear Outsole								X
Flexing Eddurance of Completed Shoes								X
Sole Bond								X
Regulatory								
Flammability (Non-exempt fabrics only)	X	X	X	X				
Lead in Surface Coating			If applicable	If applicable				If applicable
Lead in Substrate			If applicable	If applicable				If applicable
Phthalate (Vinyl & other plastic material)			If applicable	If applicable				If applicable
Heavy Metals in Packaging			If applicable	If applicable	If applicable	If applicable	If applicable	If applicable

Restricted Substance Test Plan– By Material Category

Test Item	Plastics and Synthetic Materials - PU, PVC, Rubber, TPU, TPR, EVA	Textiles - Natural Fibers	Textiles - Synthetic Fibers	Paint / Coating/ Surface Prints – With hand feeling or scrapable; e.g. Plastisol print, etc	Leather	Synthetic Leather PU, PVC	Metal parts	Adhesives (Upon Request & for raw material)
Flame Retardants – per material (Required if sample treated with flame retardant only)- Per Request only	X	X	X			X		
Formaldehyde –per material- Per Request only		X	X	X	X	X		X
Phthalates –per material	X			X		X		X
Lead - per color	X			X	X	X	X	X
Heavy Metals in Packaging	X	X	X	X	X	X	X	

Note: Test packages do not necessarily guarantee compliance with California Proposition 65 or any other government regulations. Vendors are responsible to use only materials that meet all government requirements.

PERFORMANCE STANDARDS

Performance Standards Index

Standard 1:	Breeches/Outerwear	23
Standard 2:	Knit Tee	25
Standard 3:	Horse Blanket	27
Standard 4:	Horse Tack	29
Standard 5:	Saddle Pads	29
Standard 6:	Leather Boots	30
Standard 7:	Restricted Substance	32

Standard 1:

BREECHES/ OUTERWEAR

TEST PERFORMED	REQUIREMENT	REGULATION OR TEST METHOD
FABRIC / MATERIAL QUALITIES		
Fabric Weight (oz/yd ² or g/m ²)	As specified (±5%)	ASTM D 3776
Fiber Content	Single Fiber – must be 100%, no tolerance Blends – 3% deviation maximum tolerance Non-textile: as contracted	AATCC 20/20A Non Textile- FTIR or Microscopic
Flammability (non-exempt fabrics only)	Class 1 Normal	16 CFR 1610
Lead in Coating	90 ppm	CPSC-CH-E1003-09.3
Lead in Substrate	100 ppm	CPSC-CH-E1002-08.3/ CPSC-CH-E1001-08.3
Phthalates	DEHP, BBP, DBP, DIDP, DnHP, DINP, DNOP-1000 ppm each	CPSC-CH-C1001-09.3
DIMENSIONAL STABILITY- Wovens		
All	Shrinkage- % Length % Width 4 X 4 Growth- 1%	3 Home Launderings: AATCC 135 fabrics/ 150 garments
DIMENSIONAL STABILITY- Knits		
100% Cotton, CVC Blends, Linen, Ramie	Shrinkage- General Knits: 5% Fleece / French Terry: 6% Waffle / Ottoman: 6% Rib: 6% Growth- 1%	3 Home Launderings: AATCC 135 fabrics/ 150 garments
CVS and Blends- Acrylic, Acetate, Nylon, Polyester, Lyocell, Rayon, etc	Shrinkage- General Knits: 5% Fleece / French Terry: 5% Waffle / Ottoman: 5% Rib: 5% Growth- 1%	3 Home Launderings: AATCC 135 fabrics/ 150 garments
100% Wool, Wool Blends, 100% Silk, Silk Blends	Shrinkage- 5% Growth- 1%	3 Home Launderings: AATCC 135 fabrics/ 150 garments
COLORFASTNESS TESTS		
Light	Grade 4 Pastel Grade 3.5, Neon: Grade 3.0	AATCC 16 Option 3, 20 Hours
Perspiration	Shade Change- Grade 4 Staining- Grade 3.5	AATCC 15
Water	Color Change: Grade 4 Staining: Grade 3 Self-staining: Grade 5 (if applicable)	AATCC 107
Laundering	Color Change: Grade 4 Staining: Grade 3.5 Self-staining: Grade 5 (if applicable)	Laundering: Accelerated: AATCC 61 Actual: AATCC 135 or 150
Chlorine Bleach	Grade 4	AATCC TS-001
Non-Chlorine Bleach	Grade 4	AATCC TS-001

Crocking	Dry: Grade 4 Wet: Grade 3 Dark Shades, Indigo , & Neon Dry: Grade 3.5 Wet: Grade 2.5	AATCC 8
STRENGTH & PERFORMANCE PROPERTIES		
Seam Strength- woven	Fabrics <4.0 oz/sq yd: 20lbs Fabrics ≥4.0 oz/sq yd: 30 lbs	ASTM D 1683
Seam Bursting Strength- knit	Fabrics <4.0 oz/sq yd: 35 psi Fabrics ≥4.0 oz/sq yd: 45 psi	ASTM D 3786
Tensile Strength	Fabrics <4.0 oz/sq yd: 25 psi Fabrics ≥4.0 oz/sq yd: 35 psi	ASTM D5034
Bursting Strength- knit	Fabrics <4.0 oz/sq yd: 40 psi Fabrics ≥4.0 oz/sq yd: 50 psi	ASTM D 3786
Pilling Resistance-Martindale	Grade 3.5	ASTM D4970, 200 rubs- Woven ASTM D3512, 30 mins, Knit
Attachment Strength (Snaps, Buttons, Small Parts)	Must not detach: 15 lbs tension for 10 seconds	ASTM D 7142/ ASTM F963 Ref.
Zipper Strength	Chain Crosswise Strength- 25 lbs Tab Pull-Off Strength- 20 lbs Top Stop Strength- 15 lbs Bottom Stop Strength- 15 lbs Durability (Reciprocating) 500 Strokes	ASTM D 2061/ 2062 JIS S3015/ DIN 3419-1
Snaps – Snap/Unsnap	2.0 lbs. minimum / 8 lbs. maximum	ASTM D4846
Corrosion Resistance (Metal Components)	No noticeable corrosion or visual change after 24 hours in 1% salt spray fog	ASTM B 117 (modified)
Water Resistant- Rain Test	600mm (2 ft) for 2 minutes: 1 gram max	AATCC 35
Water Proof- Hydrostatic Head	≥ 10,000 mm	AATCC 127 option2 / ISO 811
UV RESISTANCE / PROTECTION		
Ultraviolet Protection (UPF)	Good Protection: 15, 20 Very Good: 25, 30, 35 Excellent: 40, 45, 50, 50+	AATCC 183
APPEARANCE		
Appearance after Laundering	A satisfactory overall appearance is required. Garments must not exhibit a noticeable change in appearance or fit after reasonable wear and cleaning. This includes, but is not limited to: <ul style="list-style-type: none"> • All components must be compatible with no differential shrinkage • No noticeable change in color or self-staining • No fraying or raveling of buttonholes, trims, hems or seams • No deterioration or delamination of fusible interfacing or appliques • No objectionable pilling, fuzzing, snagging, change in hand or frosting of fabric • No excessive skewing of fabric or side seams • No deterioration of elastic • No bleeding or fraying of drawstrings • No chipping, breaking, discoloration, rusting or pitting of buttons, snaps or hardware 	Visual, AATCC TS-008

Standard 2:

KNIT TEE

TEST PERFORMED	REQUIREMENT	REGULATION OR TEST METHOD
FABRIC / MATERIAL QUALITIES		
Fabric Weight (oz/yd ² or g/m ²)	As specified (±5%)	ASTM D 3776
Fiber Content	Single Fiber – must be 100%, no tolerance Blends – 3% deviation maximum tolerance	AATCC 20/20A
Flammability (non-exempt fabrics only)	Class 1 Normal	16 CFR 1610
DIMENSIONAL STABILITY- Knit's		
100% Cotton, CVC Blends, Linen, Ramie	Shrinkage- General Knits: 5% Fleece / French Terry: 6% Waffle / Ottoman: 7% Rib: 7% Growth- 2%	3 Home Launderings: AATCC 135 fabrics/ 150 garments
CVS & Blends- Acetate, Nylon, Polyester, Lyocell, Rayon, etc	Shrinkage- General Knits: 5% Fleece / French Terry: 5% Waffle / Ottoman: 5% Rib: 5% Growth- 2%	3 Home Launderings: AATCC 135 fabrics/ 150 garments
100% Wool, Wool Blends, 100% Silk, Silk Blends	Shrinkage- 5% Growth- 2%	3 Home Launderings: AATCC 135 fabrics/ 150 garments
COLORFASTNESS TESTS		
Light	Grade 4 Pastel Shade Grade 3.5 Neon: Grade 3.0	AATCC 16 Option 3, 20 Hours
Perspiration	Shade Change- Grade 4 Staining- Grade 3.5	AATCC 15
Water	Color Change: Grade 4 Staining: Grade 3 Self-staining: Grade 5 (if applicable)	AATCC 107
Laundering	Color Change: Grade 4 Staining: Grade 3.5 Self-staining: Grade 5 (if applicable)	Laundering: Accelerated: AATCC 61 Actual: AATCC 135 or 150
Chlorine Bleach	Grade 4	AATCC TS-001
Non-Chlorine Bleach	Grade 4	AATCC TS-001
Crocking	Dry: Grade 4 Wet: Grade 3 Dark Shades, Indigo , & Neon Dry: Grade 3.5 Wet: Grade 2.5	AATCC 8
STRENGTH & PERFORMANCE PROPERTIES		
Pilling Resistance-Random Tumble	Grade 3.5	ASTM 3512, 30 min
Seam Bursting Strength- knit	Fabrics <3.0 oz/sq yd: 30 psi Fabrics ≥3.0 oz/sq yd: 35 psi	ASTM D 3786
Bursting Strength- knit	Fabrics <3.0 oz/sq yd: 35 psi Fabrics ≥3.0 oz/sq yd: 40 psi	ASTM D 3786

UV RESISTANCE / PROTECTION		
Ultraviolet Protection (UPF)	Good Protection: 15, 20 Very Good: 25, 30, 35 Excellent: 40, 45, 50, 50+	AATCC 183
APPEARANCE		
Appearance after Laundering	<p>A satisfactory overall appearance is required. Garments must not exhibit a noticeable change in appearance or fit after reasonable wear and cleaning. This includes, but is not limited to:</p> <ul style="list-style-type: none"> • All components must be compatible with no differential shrinkage • No noticeable change in color or self-staining • No fraying or raveling of buttonholes, trims, hems or seams • No deterioration or delamination of fusible interfacing or appliqués • No objectionable pilling, fuzzing, snagging, change in hand or frosting of fabric • No excessive skewing of fabric or side seams • No deterioration of elastic • No bleeding or fraying of drawstrings • No chipping, breaking, discoloration, rusting or pitting of buttons, snaps or hardware 	Visual, AATCC TS-008

Standard 3:

HORSE BLANKET

TEST PERFORMED	REQUIREMENT	REGULATION OR TEST METHOD
FABRIC / MATERIAL QUALITIES		
Fabric Weight (oz/yd ² or g/m ²)	As specified (±5%)	ASTM D 3776
Fiber Content	Single Fiber – must be 100%, no tolerance Blends – 3% deviation maximum tolerance	AATCC 20/20A
DIMENSIONAL STABILITY- Woven's (if care provided)		
100% Cotton, CVC Blends, Linen, Ramie	Shrinkage- % Length % Width 5 X 5 Growth- 1%	3 Home Launderings: AATCC 135 fabrics/ 150 garments
CVS & Blends- Acrylic, Acetate, Nylon, Polyester, Lyocell, Rayon, etc	Shrinkage- % Length % Width 4 X 4 Growth- 1%	3 Home Launderings: AATCC 135 fabrics/ 150 garments
100% Wool, Wool Blends, 100% Silk, Silk Blends	Shrinkage- % Length % Width 4 X 4 Growth- 1%	3 Home Launderings: AATCC 135 fabrics/ 150 garments
DIMENSIONAL STABILITY- Knit's (if care provided)		
100% Cotton, CVC Blends, Linen, Ramie	Shrinkage- General Knits: 5% Fleece / French Terry: 6% Waffle / Ottoman: 8% Rib: 7% Growth- 2%	3 Home Launderings: AATCC 135 fabrics/ 150 garments
CVS & Blends- Acrylic, Acetate, Nylon, Polyester, Lyocell, Rayon, etc	Shrinkage- General Knits: 5% Fleece / French Terry: 5% Waffle / Ottoman: 5% Rib: 5% Growth- 2%	3 Home Launderings: AATCC 135 fabrics/ 150 garments
100% Wool, Wool Blends, 100% Silk, Silk Blends	Shrinkage- 5% Growth- 2%	3 Home Launderings: AATCC 135 fabrics/ 150 garments
COLORFASTNESS TESTS		
Laundering or Spot Cleaning	Color Change: Grade 4 Staining: Grade 3.5 (if applicable) Self-staining: Grade 5 (if applicable)	Laundering: Actual: AATCC 135/ Commercial Spot Cleaner
Light	Grade 4	AATCC 16 Option 3, 20 Hours
Perspiration	Shade Change- Grade 4 Staining- Grade 3.5	AATCC 15
Water	Color Change: Grade 4 Staining: Grade 3 Self-staining: Grade 5 (if applicable)	AATCC 107
Chlorine Bleach (if required per care)	Grade 4	AATCC TS-001
Non-Chlorine Bleach(if required per care)	Grade 4	AATCC TS-001

Crocking	Dry: Grade 4 Wet: Grade 3	AATCC 8
STRENGTH & PERFORMANCE PROPERTIES		
Pilling Resistance	Grade 3.5	ASTM D4970, 1,000 rubs
Tensile Strength- woven	Fabrics <4.0 oz/sq yd: 25 lbs Fabrics =>4.0 – 8.0 oz/sq yd: 35 lbs Fabric > 8.0 oz/sq yd: 45 lbs	ASTM D 5034
Bursting Strength- knit	Fabrics <4.0 oz/sq yd: 35 psi Fabrics >4.0 oz/sq yd: 45 psi Fabric > 8.0 oz/sq yd: 55psi	ASTM D 3786
Seam Strength- woven	Fabrics <4.0 oz/sq yd: 20 lbs Fabrics >4.0 oz/sq yd: 30 lbs Fabric > 8.0 oz/sq yd: 40 lbs	ASTM D 1683
Seam Bursting Strength- knit	Fabrics <4.0 oz/sq yd: 30 psi Fabrics ≥4.0 oz/sq yd: 40 psi Fabrics > 8.0 oz/sq yd: 45 psi	ASTM D 3786
Attachment Strength (Snaps, Buttons, Small Parts)	Must not detach: 25 lbs tension for 10 seconds	ASTM D 7142/ ASTM F963 Ref.
Zipper Strength	Chain Crosswise Strength- 25 lbs Tab Pull-Off Strength- 20 lbs Top Stop Strength- 15 lbs Bottom Stop Strength- 15 lbs	ASTM D 2061/ 2062
Snaps – Snap/Unsnap	2.0 lbs. minimum / 8 lbs. maximum (Light Duty: 12-16 ligne & hand sewn only)	ASTM D4846
Corrosion Resistance (Metal Components)	No noticeable corrosion or visual change after 24 hours in 1% salt spray fog	ASTM B 117 (modified)
Water Resistant- Rain Test	600mm (2 ft) for 2 minutes: 1 gram max	AATCC 35
Water Proof- Hydrostatic Head	≥ 10,000 mm	AATCC 127 option2 / ISO 811
UV RESISTANCE / PROTECTION		
Ultraviolet Protection (UPF)	Good Protection: 15, 20 Very Good: 25, 30, 35 Excellent: 40, 45, 50, 50+	AATCC 183

Standard 4:

HORSE TACK

TEST PERFORMED	REQUIREMENT	REGULATION OR TEST METHOD
STRENGTH & PERFORMANCE PROPERTIES		
Attachment Strength (Snaps, Buttons, Small Parts)	Must not detach: 25 lbs tension for 10 seconds	ASTM D 7142/ ASTM F963 Ref.
Snaps – Snap/Unsnap	2.0 lbs. minimum / 8 lbs. maximum (Light Duty: 12-16 ligne & hand sewn only)	ASTM D4846
Corrosion Resistance (Metal Components)	No noticeable corrosion or visual change after 24 hours in 1% salt spray fog	ASTM B 117 (modified)
Tensil Strength Leather	Leather 35 lbs	ASTM 2209
Fabric Strength- woven	Fabrics: 35 lbs	ASTM D 5034
Fabric Bursting Strength- knit	Fabrics: 35 lbs	ASTM D 3786

Standard 5:

SADDLE PAD

TEST PERFORMED	REQUIREMENT	REGULATION OR TEST METHOD
FABRIC / MATERIAL QUALITIES		
Fabric Weight (oz/yd ² or g/m ²)	As specified (±5%)	ASTM D 3776
Fiber Content	Single Fiber – must be 100%, no tolerance Blends – 3% deviation maximum tolerance	AATCC 20/20A
COLORFASTNESS TESTS		
Light	Grade 4	AATCC 16 Option 3, 20 Hours
Perspiration	Shade Change- Grade 4 Staining- Grade 3.5	AATCC 15
Water	Color Change: Grade 4 Staining: Grade 3 Self-staining: Grade 5 (if applicable)	AATCC 107
Chlorine Bleach	Grade 4	AATCC TS-001
Non-Chlorine Bleach	Grade 4	AATCC TS-001
Crocking	Dry: Grade 4 Wet: Grade 3	AATCC 8
STRENGTH & PERFORMANCE PROPERTIES		
Pilling Resistance	Grade 3.5	ASTM D4970, 1,000 rubs

Standard 6:

LEATHER BOOTS

TEST PERFORMED	REQUIREMENT	REGULATION OR TEST METHOD
STRENGTH & PERFORMANCE PROPERTIES		
Slip Resistance	μ 0.40 Min.(Static); μ 0.30 Min.(Kinetic)	SATRA TM144
Abrasion Resistance/ Sole Wearing Resistance of Footwear Outsole	PVC	250 mm ³
	Rubber	100 mm ³
	PU	200 mm ³
	TR	200 mm ³
	TPR	200 mm ³
	EVA	400 mm ³
Flexing Endurance of Completed Shoes	No cracking noted at 50,000 cycles	SATRA TM 92
Sole Bond	Min 22 lbs	SATRA 404/ TM 411
Seam Strength	Min 27 lbs	SATRA TM 180
Water Resistant- Rain Test	600mm (2 ft) for 2 minutes: 1 gram max	AATCC 35
Water Proof- Hydrostatic Head	\geq 10,000 mm	AATCC 127 option2 / ISO 811
COLORFASTNESS TESTS		
Light (Upper Material)	Grade 4	AATCC 16 Option 3, 20 Hours
Perspiration (Lining)	Shade Change- Grade 4 Staining- Grade 3	AATCC 15
Water Spotting (Leather)	Grade 3	SATRA TM 185
Crocking (Both Upper Material and Lining)	Leather: Dry: Grade 3 Wet: Grade 2 Others: Dry: Grade 4 Wet: Grade 3	AATCC 8/ ASTM D5053 for leather
ACCESSORIES		
Resistance to Corrosion (Metals)	No corrosion	SATRA TM 310
Attachment strength	Eyelet- Min 30 lbs Buckle & Strap- Min 30 lbs Decorative Bow- Min 15 lbs Fastened Buckles- Min 30 lbs Tab Strength- Min 30 lbs Eyelet Facings, Ski hooks, D-Ring Strength- Min 30 lbs All other Ornaments- Min 15 lbs	SATRA TM 150/181
Zipper Strength Crosswise Strength Tab Pull-off Strength Top Stop Holding Strength Bottom Stop Holding	25 lb. 15 lb 20 lb 20 lb	ASTM D2061/ 2062
Durability (Reciprocating) 500 Strokes - cycling test	No Breakage	ASTM D2061/ JIS S3015/ DIN 3419-1

LABELING		
Country of origin marking	Present	19 CFR 134 .11
Material Content Labeling	Material composition of major parts of the footwear must be declared: <ul style="list-style-type: none"> • Upper, • Lining and sock, • Outsole 	FTC
Labeling / Packaging Review	Should be legibly marked with the following information: <ul style="list-style-type: none"> • Distributor's name, trademark or other means of identification of the manufacturer or packer & address (City, State & Zip) • Product identification • Net quantity of the contents in terms of weight, measure or numerical count (Metric & US Standard) or a combination so as to give accurate information and facilitate value comparison by the consumer 	FPLA 16 CFR 500

Standard 7:

RESTRICTED SUBSTANCE

Test Items	Test Methods	Reference for Restriction	Maximum Limit - Children's Product
Lead in Substrate	Method (non-metallic materials): CPSC Test Method: CPSC-CH-E1002-08.3 'Standard Operating Procedure for Determining Total Lead (Pb) in Non-Metal Children Product' Method (metal materials): CPSC Test Method: CPSC-CH-E1001-08.3 'Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products.'	California Proposition 65	100 mg/kg *Recommended limit
Lead in Surface Coating	CPSC-CH-E1003-09.1 'Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings'	California Proposition 65	90 mg/kg *Recommended limit
Phthalates	CPSC-CH-C1001-09.3	California Proposition 65	DEHP, DBP, BBP, DINP, DIDP, DnHP, DNOP = 1000 mg/kg each
Formaldehyde	Textiles: ISO 14184-1 Leather: ISO/FDIS 17226-1 (by HPLC method) / ISO/FDIS 17226-2 (by UV method)	California Proposition 65	Items with direct skin contact – 75 mg/kg Items without direct skin contact – 300 mg/kg
Brominated Flame retardants [9 items- TDCPP, TCEP, PBB, TDBPP, TCPP, PentaBDE, OctaBDE, Deca BDE, HBCDD - Hexabromocyclododecane] (Required if sample treated with flame retardant only)	GC-MS/ LC-MS/ KS C IEC 62321 (Penta BDE, OctaBDE) / Self Regulatory Safety Confirmation Standard Annex 4 (TDBPP)	US States Legislation	Use Ban [detection limit = 5 mg/kg (each)]
Heavy Metals in Packaging	EPA 3050B/ 3051	US States Legislation	Lead, Cadmium, Mercury, Hexavalent Chromium= < 100 mg/kg individual or in combination

Appendix 1: United States Restricted Substances

Apparel, Footwear & Accessories – US ADULTS

REQUIREMENTS FOR THE UNITED STATES

□ Regional Regulations: BROMINATED FLAME RETARDANTS

The product may not be processed with the following flame retardants identified in US Federal Government, California, Hawaii, Illinois, Maine, Maryland, Michigan, Minnesota, New York, Oregon, Rhode Island, Vermont, Washington State and Washington DC.

Substance	CAS-No.
Decabromodiphenyl ether (DecaBDE)	1163-19-5
Pentabromodiphenyl ether (PentaBDE)	32534-81-9
Octabromodiphenyl ether (OctaBDE)	32536-52-0
Tris(2,3-dibromopropyl)phosphate (TRIS)	126-72-7
Tris-(2-chloroethyl) phosphate (TCEP)	115-96-8
Polybrominated biphenyls (PBBs)	59536-65-1
Hexabromocyclododecane (HBCDD)	3194-55-6
Tetrabromobisphenol A (additive TBBPA)	79-94-7

US STATE REGULATIONS FOR TOXICS OF HIGH CONCERN

□ Regional Regulations: California – Proposition 65

The product may not be manufactured to contain any substance listed on California's Proposition 65 list in such a way as to cause an exposure of a listed substance to the general public without giving adequate warning to consumers.

The following table represents substances with previous settlements that may or may not provide compliance with Prop 65.

SUBSTANCE	CAS
Lead	7439-92-1
Bis-(2-ethylhexyl) Phthalate (DEHP)	84-74-2
Dibutyl Phthalate (DBP)	85-68-7
Benzylbutyl Phthalate (BBP)	28553-12-0
Diisodecyl Phthalate (DIDP)	26761-40-0
Diisononyl phthalate (DINP)	28553-12-0
Di-n-hexyl Phthalate (DnHP)	84-75-3
Tris (1,3-dichloro-2-propyl) phosphate (TDCPP) (flame retardant chemical)	13674-87-8
Cadmium	7440-43-9



SGS LAB LOCATIONS

GLOBAL SOFTLINES APPROVED TEXTILE LABORATORIES AND SAMPLE COLLECTION CENTERS FOR BUYER PROGRAMS

APPENDIX: TEXTILE LAB **CAPABILITY OVERVIEW**

ASIA-PACIFIC		Physical	Chemical
Bangladesh	Chittagong	■	■
	Dhaka	■	■
Cambodia	Phnom Penh	■	■
China	Changzhou	■	■
	Guangzhou	■	■
	Hangzhou	■	■
	Nanjing	■	■
	Ningbo	■	■
	Qingdao	■	■
	Shanghai	■	■
	Tianjin	■	■
	Xiamen*	■	■
	Hong Kong	Hong Kong	■
India	Bangalore	■	■
	Chennai	■	■
	Gurgaon	■	■
	Tirupur	■	■
Indonesia	Jakarta	■	■
	Semarang	■	
Korea	Anyang	■	■
	Kimhae		■
Pakistan	Karachi	■	■
	Lahore	■	■
Philippines	Manila	■	■
Sri Lanka	Colombo	■	■
Taiwan	Taipei	■	■
Thailand	Bangkok	■	■
Vietnam	Ho Chi Minh City	■	■
AMERICAS		Physical	Chemical
Mexico	Mexico City	■	
USA	Fairfield (NJ)	■	■

ASIA-PACIFIC
SGS China – Guangzhou

SGS-CSTC Standards Technical Services Co., Ltd. – Guangzhou lab

Address	198 Kezhu Road, Science Park, Economic and Technological Development Zone, Guangzhou, China 510663
Phone	+86 20 8215 5601
Fax	+86 20 8207 5161
Contact	Kitty Zhang

SGS China – Ningbo

SGS-CSTC Standards Technical Services Co., Ltd. – Ningbo lab

Address	2/F West No. 4 Building, Lingyun Industry Park, No.1177 Lingyun Road , Ningbo National Hi-Tech Zone, Ningbo , China. 315103
Phone:	+86 574 8907 0213
Fax:	+86 574 8776 4217
Contact:	Jessica Zhou
Email:	Jessica.Zhou@sgs.com

SGS China – Shanghai

SGS-CSTC Standards Technical Services (Shanghai) Co.,Ltd

Address	4/F, 4th Building, No.889, Yishan Road, Xuhui District, Shanghai, China.200233
Phone	+86 21 6107 2906
Fax	+86 21 6495 8763
Contact	Alex Mao
Email	Alex.Mao@sgs.com

SGS China – Xiamen

SGS-CSTC Standards Technical Services Co., Ltd. – Xiamen lab

Address	No.31 Xianghong Road, Xiang'An Torch Industrial Zone, Xiamen, Fujian Province, China
Phone	+86 592 5761352
Fax	+86 592 5766457
Contact	Paris Loo
Email	Paris.Loo@sgs.com

SGS Hong Kong

SGS Hong Kong Ltd.

Address	4/F, On Wui Centre, 25 Lok Yip Road, Fanling, New Territories, Hong Kong
Phone	+852 2774 7151 +852 2774 7133 (Sample pick up)
Fax	+852 2330 4862
Contact	Brian Ng
Email	Brian.ng@sgs.com

SGS India – Bangalore	
SGS India Pvt. Ltd.	
Address	38/1 & 2, Ahmed Plaza, Bethana Agrahara, Hosur Road, Bangalore - 560 001
Phone	+91 80 67261400/1500
Mobile	+91 97 42688814
Contact	P.M.Reddy
Email	PM.Reddy@sgs.com
SGS India – Chennai (Madras)	
SGS India Pvt. Ltd.	
Address	28 B1 (SP) / 28 B2 (SP), 2nd Main Road, Ambattur Industrial Estate, Ambattur, Chennai - 600 058, Tamilnadu, India.
Phone	+91 44 6608 1600
Contact	L Srinivasan
Email	L.Srinivasan@sgs.com
SGS India – Gurgaon (New Delhi)	
SGS India Pvt. Ltd.	
Address	Plot No. 226, Udyog Vihar, Phase I, Gurgaon, 122015, Haryana, India
Phone	+91-124-613 5000
Mobile	+91-987-179 4626
Contact	Rahul Kumar Garg
Email	Rahul.Garg@sgs.com
SGS India – Tirupur	
SGS India Pvt. Ltd.	
Address	No.134, 2nd Floor, Sivashakthi Nagar, College Road, Tirupur - 641 602, Tamil Nadu, India
Phone	+91 9840811084
Contact	Yagneswara Rao
Email:	Yagneswar.Rao@sgs.com
AMERICAS	
SGS Mexico	
SGS de Mexico S.A de C.V.	
Address	Industria Eléctrica # 19 –PB Fraccionamiento parque industrial Naucalpan; Naucalpan de Juarez, Estado de México . México. CP 53489.
Phone	+52 55 5395 7226
Fax	+52 55 5395 7134
Contact	Erika Maldonado
Email	Erika.Maldonado@sgs.com
SGS USA	
SGS North America Inc.	
Address	291 Fairfield Avenue, Fairfield, NJ, USA, 07004
Phone	+1 973 461 7908
Fax	+1 973 575 7175
Contact	Carlos Juarez
Email	Carlos.juarez@sgs.com