

VINCE.

TEXTILE TESTING MANUAL

July 2, 2024

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Manual Revision Log

Date	By	Revision
June 23, 2014	NN	Program launch
Oct 26, 2017	Nevine Noss	Page 4: Updated Chelsea's title Page 42: Removed Morena Asencia and replaced with Esther Kim Page 50: Added BV contact information
Jan 26, 2018	Nevine Noss	Page 47: Added VINCE as the bill to for Korea. Pages 53 & 55: Removed Azo dyes from mandatory testing and will be upon request.
Feb 7, 2018	Nevine Noss	Pages 53 & 54: dimensional, appearance and CF laundering now are for dual care.
Feb 21, 2018	Nevine Noss	Page 13: Updated SVHC list Page 24: Removed jewelry info Page 40: SGS Lab Responsibility: Updated RS testing bullet point Pages 71, 76, 80, 87 & 90: Updated formaldehyde requirement
May 14, 2018	Nevine Noss	Page 36: Fabric sample yard increased to 3 yards for testing
June 5, 2018	Nevine Noss	Page 37: Updated Sasha's email address
July 10, 2018	Nevine Noss	Page 43: Updated TRF with formaldehyde Removed lab location and placed as separate document
July 27, 2018	Nevine Noss	Page 38: Removed Mari Wigler contact info. Page 43: Removed Korea TRF
July 30, 2018	Nevine Noss	Page 38: removed Martha Rosales contact info
August 3, 2018	Nevine Noss	Pages 64-65: Updated attachment strength to 17 lbs.
August 27, 2018	Nevine Noss	Page 73: Updated method for Down & Feather turbidity. Pages 74, 77, 81, 84 & 88: Added zipper teeth for Metal Buckles etc
August 28, 2018	Nevine Noss	Page 38: Added Julianne Chan and Linda Kim to contact list Page 38: Billing, if you cannot extend terms, bill through US office.
Oct 29, 2018	Nevine Noss	Page 38: Added Grace Nahm to the contact list
Nov 6, 2018	Nevine Noss	Pages 76 & 77: Added DC to appearance, dimensional and actual laundering
Nov 26, 2018	Nevine Noss	Page 42: Updated TRF with laundry detergent field
Feb 26, 2019	Nevine Noss	Pages 4 & 42: Removed Joel's name. Page 36: Updated garment sample requirement
June 19, 2019	Nevine Noss	Pages 42 and 49: Added cashmere package. Pages 50 & 79: Added fiber diameter
August 28, 2019	Nevine Noss	Page 87: ASTM D2208 should be minimum, not maximum
Nov 21, 2019	Nevine Noss	Pages 37 & 38: Updated distribution list.
Feb 25, 2020	Nevine Noss	Page 13: Updated SVHC Page 38 & 41: Added use apparel protocol for dog apparel products Page 43 & 91: Added GB field testing
Aug 10, 2020	Nevine Noss	Page 43: Added field for infant Page 51: Cashmere added tests for infant Pages 81 & 82: Added flammability blanket and children sleepwear and saliva.
Oct 28, 2020	Nevine Noss	Page 38: Removed Sasha's contact info Page 95: Added section for Infant Layette
Nov 13, 2020	Nevine Noss	Page 4: Added Erin's contact information
Nov 20, 2020	Nevine Noss	Removed layette section into separate manual
Feb 2, 2021	Nevine Noss	Page 13: Updated SVHC Page 42: SGS responsibility, added lab review for documents on fiber Pages 51, 72, 77, 81, 85 & 92: Added fiber content doc review if presented
April 15, 2021	Nevine Noss	Page 4: Updated SGS Asia contact to Carita Lam Page 37: Added Inclusive Program section. Page 40: Updated Vince contact names
April 22, 2021	Nevine Noss	Page 38: Moved Inclusion testing and added Responsibility Guidelines
Sept 9, 2022	Rossan Hall	Updated formatting. Pg. 4: Update GKAM to Rossan. Pg. 11: Update SVHC to be a link; lab will always follow latest. Pg. 25: Update Vince report distribution, per Vince. Pg. 27: Lab responsibility: Real Feather testing labeling rules. Pg. 29: Updated TRF form.
Oct 14, 2022	Rossan	Pg. 4: Remove Erin and add Grace as contact. Update Grace email. Pg. 25: Report distribution: remove Karen Lott; Add Thuhang Pham.
Nov 14, 2022	Rossan	Pg. 25: Report distribution: remove Christine Duong. Pg. 51, 52, 53, 54, 55, 63, 64, 65, 66: Remove the wording "(including , wool)".
Jan 3, 2023	Rossan/Vince	Pg. 15: add PFOA language in govt requirements.
March 21, 2023	Vince	Pg. 27: Update report distribution. Vince - Report Distribution List Date Last Updated - 3/20/23 Elvira Zusman EZusman@vince.com Emma Otgongere EOtgongere@vince.com Gina Shinn GShinn@vince.com Linda Kim Linda.Kim@vince.com Nicholas Kim NKim@vince.com Nora Mohaber nmohaber@vince.com Cc: Grace Nahm GNahm@vince.com

April 11, 2023	Rossan/Vince	<p>Pg. 5: Update Asia contact to be Amanda Chan.</p> <p>Pg. 26: Added PFAS, BPA sample size.</p> <p>Pg. 32: Test chart: Add pH to garment pkg.</p> <p>Pg. 33: Test chart: Add pH to sweaters.</p> <p>Pg. 34: Add PFAS to RS by country.</p> <p>Pg. 35: Add PFAS & BPA to RS material chart.</p> <p>Pg. 47: Update SGS TRF -add PFAS and BPA.</p> <p>Pg. 54: Woven Fabric/Garment: add pH requirement.</p> <p>Pg. 62: Sweaters: add pH requirement.</p> <p>Pg. 65: Knit Fabric/Garment: add pH requirement.</p> <p>Pg. 77: Restricted Substances: add PFAS and BPA.</p>
Nov 15, 2023	Rossan/Vince	<p>Pg. 40: Update pH requirement for both fabric and garment to 4.5-8. (remove white and other colors rating).</p> <p>Pg. 48: Update pH requirement for both fabric and garment to 4.5-8. (remove white and other colors rating).</p> <p>Pg. 51, 54: Update pH requirement for both fabric and garment to 4.5-8. (remove white and other colors rating).</p> <p>Pg. 63: Update PFAS requirement.</p>
Nov 30, 2023	Rossan/Vince	<p>Pg. 28: Test chart- update skewing to add woven and check off fabric.</p> <p>Pg. 28: Add fabric weight check off to denim.</p> <p>Pg. 39: Woven fabric/garment -add 'F'- fabric by skewing; add fabric requirement of 3%.</p> <p>Pg. 43: Add Fabric weight requirement to denim.</p> <p>Pg. 44: Add G- garment to seam slippage on Denim standard.</p> <p>Pg. 62: Update lead in substrate to be 90ppm per MN regulation; update cadmium to be add adult for 75ppm per MN.</p>
Feb 7, 2024	Rossan	<p>Pg. 28: Denim fabric - Update add x to fabric weight (remove from denim garment).</p> <p>Pg. 29: pH – add a F for fabric pkg also.</p> <p>Pg. 32: Test chart, RS -Add BPS alongside BPA – added tp Prop 65 list.</p> <p>Pg. 51: Skewing to F for fabric to knit/fabric.</p> <p>Pg. 63: RS: Add BPS to test alongside BPA (prop 65).</p>
July 2, 2024	Rossan/Vince	<p>Pg. 39, 40: Tensile/Tear Strength- add note to follow silk if silk is in the fiber content.</p>

Contact Information**VINCE.**

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SGS

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US Global Key Account Manager:

Rossan Hall

Title: Key Account Manager

Contact for: Day to day activities and correspondence, inspection coordination, local testing status, operational issues, maintenance of SOP

Phone: 949-281-9543

Email: Rossan.Hall@sgs.com

US Technical Support:

Name: Bopanna Poonacha

Title: Technical Manager Softlines

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

Phone: 973-461-7965

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Asia Account Manager:

Name: Amanda Chan

Title: Key Account Manager

Phone: +852 9270 9945

Email: Amanda.chan@sgs.com

Vendor Acknowledgement

I acknowledge receipt of the VINCE.'s Testing Manual (dated _____ 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 return this form once signed to your VINCE. Sourcing contact via email and send a physical copy to contact below.

Audrey Chen
900 N. Cahuenga Blvd.
Los Angeles, CA 90038-2615

INTRODUCTION

Government Regulations

Introduction

VINCE. Fabric and Garment Testing Manual, which supersedes all previously published versions, sets forth the policies, procedures and testing protocols that must be utilized by all of VINCE.'s agents, vendors, factories and suppliers ("Suppliers") to ensure that all fabrics, garments and trims utilized by, and produced on behalf of VINCE. Are

- Compliant with all destination country's applicable laws and regulatory requirements
- VINCE. Established and approved quality standards
- Produced safely
 - American Apparel and Footwear Association's Restricted Substance List ("AAFA RSL")
 - California Proposition 65
 - European Union's REACH program
 - Substances of Very High Concern ("SVHC")

To ensure the safety of VINCE.'s products, VINCE. Has adopted guidelines as listed above. All testing shall be performed at SGS, Bureau Veritas ("BV"), or Intertek, all VINCE. Approved and U.S. Consumer Product Safety Commission ("CPSC") accredited laboratories. Locations and contact information found within this manual. In the event a VINCE. Supplier requests that testing be done at a laboratory other than approved and accredited as stated, VINCE. Must be notified and approve of the laboratory. It is also the supplier's responsibility that testing is performed at an accredited CPSC laboratory to the most updated VINCE. Protocols and the prescribed tests methods.

Regulations

U.S. Government

All merchandise sold to VINCE., 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
- 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 Child Safety
- California Proposition 65
- Illinois Lead Poisonous Prevention Act

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.

CANADA Government

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

- Textile Labeling Act and Textile Labeling and Advertising Regulations, C.R.C., c. 1551
- Ontario Regulation 218/01 for Upholstered and Stuffed Articles under the Technical Standards and Safety Act, 2000
- Quebec Regulation Respecting Stuffing and Upholstered and Stuffed Articles
- The Public Health Act of Manitoba, C.C.S.M. c. P210 Bedding, Upholstered and Stuffed Articles Regulation/Sears Canada Requirement
- Hazardous Products Act, Schedule 1, Part 1, Item 4/CAN/CGSB-4.2, No. 27.5
- Health Canada Product Bureau reference manual, Book 5, Part B, method C-02

European Union (EU): Council Directive

In addition, all merchandise sold VINCE., must meet the European Union (EU): Council Directive on Textile

- Labeling: Labeling of Textile Products (Fiber Composition)- Council Directive on Textile 96/74/EC
- UK: The children (Safety) Regulation 1985, S.I. 2043 & Amendment 1987, S.I. 286
- The Children's Clothing (Hood Cords) Regulation, 1976
- REACH

Suppliers must provide a continuing guarantee of compliance or test results assuring that requirements of all Local Regulations are met.

Global Restricted Substances

Apparel, Footwear, Jewelry & Accessories – EU, US, Canada, Japan, China, Korea

Requirements for the European Union and EEA

RESTRICTED SUBSTANCES:

AZO DYES

The product may not be manufactured with the following azocolourants and azodyes as specified by point 43 of Annex XVII to Regulation (EC) 1907/2006 (REACH) as amended and listed in Appendix 10 of Annex XVII to that same Regulation.

Substance	CAS-No.	Substance	CAS-No.
4-Aminodiphenyl	92-67-1	3,3'-Dimethylbenzidine	119-93-7
Benzidine	92-87-5	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0
4-Chloro-o-toluidine	95-69-2	p-Cresidine	120-71-8
2-Naphtylamine	91-59-8	4,4'-Methylene-bis(2-chloroaniline)	101-14-4
o-Aminoazotoluene	97-56-3	4,4'-Oxydianiline	101-80-4
2-Amino-4-nitrotoluene	99-55-8	4,4'-Thiodianiline	139-65-1
p-Chloroaniline	106-47-8	o-Toluidine	95-53-4
2,4-Diaminoanisole	615-05-4	2,4-Tolylenediamine	95-80-7
4,4'-Diaminodiphenylmethane	101-77-9	2,4,5-Trimethylaniline	137-17-7
3,3'-Dichlorobenzidine	91-94-1	4-Aminoazobenzene	60-09-3
3,3'-Dimethoxybenzidine	119-90-4	o-Anisidine	90-04-0

BROMINATED FLAME RETARDANTS

The product may not be processed with the following flame retardants identified in Annex XVII to Regulation (EC) No 1907/2006 and commission regulation (EU) No. 757/2010

Substance	CAS-No.
Polybrominated biphenyls (PBBs)	59536-65-1
Tris(2,3-dibromopropyl)phosphate (TRIS)	126-72-7
Tris(aziridinyl)phosphin oxide (TEPA)	545-55-1
Pentabromodiphenyl ethers (PentaBDE)	32534-81-9
Octabromodiphenyl ether (OctaBDE)	32536-52-0

SHORT CHAIN CHLORINATED PRAFFINS (SCCP'S)

Placing on the market and use of SCCPs has been restricted in the Union by virtue of Annex XVII to Regulation (EC). European Union POPs Regulation (EC) No. 519/ 2012.

Substance	CAS-No.
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	85535-84-8

METALS

The product may not be manufactured with materials containing the following metals identified by Annex XVII to Regulation (EC) 1907/2006.

Substance	CAS Number	Restricted Materials
Lead	7439-92-1	<p>Jewellery, imitation jewellery and hair accessories including</p> <ul style="list-style-type: none"> • Bracelets, necklaces and rings • Piercing jewellery • Wrist watches and wrist-wear • Brooches and cufflinks <p>ii. Components used to make jewellery</p> <p>Exemption:</p> <ul style="list-style-type: none"> • Crystal glass • Internal components of watch timepieces (inaccessible) • Non-synthetic or reconstructed precious and semi-precious stones (CN Code 7103) • Enamels

Cadmium	7440-43-9	Plastic materials, Coating/printing, Brazing filler, Metal parts in jewellery, Imitation Jewellery & Hair Accessories.
Nickel – Released from metal parts in direct and prolonged contact with the skin	7440-02-0	Metal materials coming into contact with skin.
Chromium VI – (enforced May 2015)	18540-29-9	Leather articles coming into contact with skin & Articles containing leather parts coming into contact with the skin.

☐ ORGANOTIN COMPOUNDS

The product may not contain trisubstituted organostannic substances from 1 July 2010 or dibutyltin and dioctyltin compounds from 1 January 2012 according to Entry 20 of Regulation (EC) No 276/2010 amending Annex XVII of REACH Regulation (EC) No 1907/2006

<u>Substance</u>	<u>CAS Number</u>
Tributyltin (TBT)	56573-85-4
Triphenyltin (TPhT)	668-34-8
Dibutyltin (DBT)	1002-53-5
Dioctyltin (DOT)	15231-44-4

☐ NONYLPHENOL & NONYLPHENOL ETHOXYLATES

The use of the following substances is restricted in the textiles and leather processing in the European Union as stipulated in the European Union as stipulated in Annex XVII to Regulation (EC) 1907/2006 (REACH)

<u>Substance</u>	<u>CAS-No.</u>
Nonylphenol	25154-52-3
Nonylphenol ethoxylates	N/A

☐ MISCELLANEOUS SUBSTANCES

<u>Substance</u>	<u>CAS-No.</u>
Dimethyl fumarate	624-49-7
PFOS	1763-23-1

☐ POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)

The use of the following substances is restricted in Clothing, Footwear and Accessories under Regulation (EU) 1272/2013 of ANNEX XVII of REACH.

The enforcement date takes effect on 27 December 2015. Articles placed on the market for the first time before 27 December 2015 are exempted.

<u>Substance</u>	<u>CAS-No.</u>
Benzo[a]pyrene (BaP)	50-32-8
Benzo[e]pyrene (BeP)	192-79-2
Benzo[a]anthracene (BaA)	56-55-3
Chrysen (CHR)	218-01-9
Benzo[b]fluoranthene (BbFA)	205-99-2
Benzo[j]fluoranthene (BjFA)	205-82-3
Benzo[k]fluoranthene (BkFA)	207-08-9
Dibenzo[a,h]anthracene (DBaA)	53-70-3

CANDIDATE LIST SUBSTANCES OF VERY HIGH CONCERN (SVHC):

According to article 33 of the REACH regulation, any EU & EEA supplier of an article, which may include finished consumer products, components and packaging, containing SVHC from the candidate list above a concentration of 0.1% weight by weight (w/w) shall provide the recipient of the article (such as the distributor, retailer or professional user) with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that SVHC substance. This is also applicable upon request by a consumer by any supplier of an article containing a SVHC substance > 0.1 % weight by weight (w/w), free of charge, within 45 days of receipt of the request.

Disclosure of the SVHC substances present in the product at 0.1% or more weight by weight is required in compliance with Article 33 of Regulation (EC) 1907/2006 (REACH). Please note lab will always follow the latest list. Please find the latest list of SVHC chemicals on- [Candidate List of substances of very high concern for Authorisation - ECHA \(europa.eu\)](http://Candidate List of substances of very high concern for Authorisation - ECHA (europa.eu))

Regional Regulations: Germany –

DISPERSE DYES

The product may not dyed or printed with disperse dyestuff and guarantees the material is within the limited requirements listed as per the German Food and Commodities Law § 30.

Disperse Dyes	CAS-No.	Disperse Dyes	CAS-No.
C.I. Disperse Blue 1	2475-45-8	C.I. Disperse Orange 3	730-40-5
C.I. Disperse Blue 35	12222-75-2	C.I. Disperse Orange 37/59/76	13301-61-6
C.I. Disperse Blue 106	12223-01-7	C.I. Disperse Red 1	2872-52-8
C.I. Disperse Blue 124	61951-51-7	C.I. Disperse Yellow 3	2832-40-8

Pentachlorophenol

The product may not contain pentachlorophenol in excess of the limits stipulated under Gefahrstoff Verordnung (Hazardous Substances Ordinance), Annex IV, No.12

Substance	CAS-No.
Pentachlorophenol	87-86-5

Regional Regulations: France

The use of the following substances is restricted in the production of textile products in the European Union as stipulated in Senate Bill No. 486 (2011).

Substance	CAS-No.
Alkylphenols	N/A

Regional Regulations: The Netherlands, Austria, Germany, Lithuania – FORMALDEHYDE

The product may not contain formaldehyde in excess of the limits stipulated under EU Member State legislation.

Substance	CAS Number
Formaldehyde	50-00-0

Regional Regulations – METALS

The product may not be manufactured with materials containing the following metals identified by regional regulations and orders in the European Union.

Substance	CAS-No.	Member State
Cadmium	7440-43-9	The Netherlands UK
Chromium VI	18540-29-9	Germany:Item 2 of Appendix 4 in Bedarfsgegenständeverordnung

Regional Regulations: Finland and Switzerland – PESTICIDES

Substance	CAS-No.
2-(2,4,5-Trichlorophenoxy)propionic acid	93-72-1
Salts and compounds of 2-(2,4,5-trichlorophenoxy)propionic acid	N/A
2,4,5-Trichlorophenoxyacetic acid	93-76-5
Salts and compounds of 2,4,5-trichlorophenoxyacetic acid	N/A
Aldrin	309-00-2

Chlordane	57-74-9
Dichlorodiphenyldichloroethane	72-54-8
Dichlorodiphenyldichloroethylene	72-55-9
Dichlorodiphenyltrichloroethane	50-29-3
Dieldrin	60-57-1
Endrin	72-20-8
Heptachlorine	76-44-8
Epoxyheptachlorine	1024-57-3
Hexachlorobenzene	118-74-1
Hexachlorocyclohexane	608-73-1
Isodrin	465-73-6
Kelevane	4234-79-1
Kepone	143-50-0
Lindane	58-89-9
Methoxychlor	72-43-5
Mirex	2385-85-5
Perthane	72-56-0
Quintozene	82-68-8
Strobane	8001-50-1
Telodrin	297-78-9
Toxaphene	8001-35-2
Halogenated biphenyls PCB	1336-36-3, 53469-21-9, etc
Halogenated terphenyls	N/A
Halogenated naphthalenes	N/A
Halogenated diarylalkanes	N/A
Halogenated diphenyl methanes	N/A
Monomethyldibromodiphenylmethane	99688-47-8
Monomethyldichlorodiphenylmethane	81161-70-8
Monomethyltetrachlorodiphenylmethane	76253-60-6
Pentachlorophenol	87-86-5
Salts and compounds of pentachlorophenol	N/A
Tetrachlorophenol	25167-83-3
Salts and compounds of tetrachlorophenol	N/A

Requirements for the United States

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
Formaldehyde	50-00-0

Regional Regulations: Illinois – LEAD

Effective January 1, 2010, all children’s products (0-12 years) sold in the state of Illinois containing more than 40 ppm must be labeled with the following warning:

“WARNING: CONTAINS LEAD. MAY BE HARMFUL IF EATEN OR CHEWED. COMPLIES WITH FEDERAL STANDARDS.”

All consumer products other than children’s (Above 12 years) with components (Lead bearing substance) containing > 600 ppm lead must contain a warning label with the following warning:

“WARNING CONTAINS LEAD. MAY BE HARMFUL IF EATEN OR CHEWED. MAY GENERATE DUST CONTAINING LEAD. KEEP OUT OF THE REACH OF CHILDREN”.

☐ BROMINATED FLAME RETARDANTS

The product may not be processed with the following flame retardants identified in US Federal, Washington, Oregon; Maine, New York, Maryland, Illinois, Connecticut, and Alaska.

<u>Substance</u>	<u>CAS-No.</u>
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

Requirements for Canada

Canadian Environmental Protection Act 1999

The Canadian Environmental Protection Act 1999 bans the use of Perfluorooctane Sulfonates (PFOSs) in all consumer products of all ages.

<u>Substance</u>	<u>CAS</u>
Perfluorooctane Sulfonates (PFOSs) C8F17SO2X (X=OR, NR or other derivatives)	N/A

Requirements for Japan

Law for The Control Of Household Products Containing Harmful Substances

The objective of this law is to implement necessary restrictions on household products containing harmful substances from the point of view of public health and sanitation thereby to contribute to safeguarding the health of the nation. Law for Control of Household Products Containing Harmful Substances requires that all household products comply with harmful substance content standards for substances likely to cause damage to the skin (including formalin and dieldrin). Apparel products may not have a content level of these substances higher than the statutory standard.

FORMALDEHYDE

The product may not contain formaldehyde in excess of the limits stipulated under Law for Control of Household Products Containing Harmful Substances

<u>Substance</u>	<u>CAS Number</u>
Formaldehyde	50-00-0

ANTIMICROBIAL AGENTS, MOTHPROOF FINISH

The product may not contain the following antimicrobial agents/mothproof finish in excess of the limits stipulated under Law for Control of Household Products Containing Harmful Substances

<u>Substance</u>	<u>CAS Number</u>
Hexachloro-epoxy-octahydro-endo, exo-dimethanonaphthalene (Dieldrin)	60-57-1
4,6-Dichloro-7-(2,4,5-trichlorophenoxy) -2-trifluoromethyl-benzimidazol	57648-21-2

ORGANIC MERCURY COMPOUND

The product may not contain Organic mercury compound in excess of the limits stipulated under Law for Control of Household Products Containing Harmful Substances

<u>Substance</u>	<u>CAS Number</u>
Organic mercury compound	N/A

ORGANOTIN COMPOUNDS

The product may not contain the following organotin Compounds in excess of the limits stipulated under Law for Control of Household Products Containing Harmful Substances

<u>Substance</u>	<u>CAS Number</u>
Tributyltin (TBT)	56573-85-4
Triphenyl-tin compound (TPhT)	668-34-8

FLAME RETARDANTS

The product may not contain the following flame retardants in excess of the limits stipulated under Law for Control of Household Products Containing Harmful Substances

<u>Substance</u>	<u>CAS-No.</u>
Bis (2,3-dibromopropyl) phosphate (BBP)	5412-25-9
Tris (1-aziridinyl) phosphineoxide (APO)	545-55-1
Tris (2,3-dibromopropyl) phosphate (TDBPP)	5412-25-9

PESTICIDES

The product may not contain any pesticides under the Law for Control of Household Products Containing Harmful Substances

<u>Substance</u>	<u>CAS-No.</u>
Dieldrin	60-57-1

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, Etc.

The objective of this law is to identify and implement restrictions on designated chemical substances that are toxic for human beings or other animals at the top of the food chain with long-term intake, persistent, and highly accumulating. Businesses are required to receive permission to manufacture and import these substances (both of which are otherwise prohibited), are limited in how they can use them, and are prohibited from importing certain other designated products, including (i) water-repellent textiles and oil-repellent textiles and (ii) water-resistant clothes and oil-resistant clothes.

PERFLUOROOCCTANOIC ACID (PFOA) AND/OR ITS SALTS

The product may not contain perfluorooctanoic acid (PFOA) and/or its salts as set forth under the Order for Enforcement of the Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, Etc.

<u>Substance</u>	<u>CAS Number</u>
Perfluorooctanoic acid (PFOA) and/or its salt	335-67-1

Requirements for China

China –safety requirement standard for textile products, GB18401

GB 18401 is a mandatory national safety standard for textile products. If products fail to meet the safety requirements, they are not allowed to be manufactured, sold or imported into the China market

AZO DYES

The product may not contain the follow aryl amines in excess of the limits stipulated under GB18401-2010.

<u>Substance</u>	<u>CAS-No.</u>	<u>Substance</u>	<u>CAS-No.</u>
4-Aminodiphenyl	92-67-1	3,3'-Dimethylbenzidine	119-93-7
Benzidine	92-87-5	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0
4-Chloro-o-toluidine	95-69-2	4,4'-Diaminodiphenylmethane	101-77-9
2-Naphtylamine	91-59-8	4,4'-Methylene-bis(2-chloroaniline)	101-14-4
o-Aminoazotoluene	97-56-3	4,4'-Oxydianiline	101-80-4
2-Amino-4-nitrotoluene	99-55-8	4,4'-Thiodianiline	139-65-1
p-Chloroaniline	106-47-8	o-Toluidine	95-53-4
2,4-Diaminoanisole	615-05-4	2,4-Tolylenediamine	95-80-7
p-Cresidine	120-71-8	2,4,5-Trimethylaniline	137-17-7
3,3'-Dichlorobenzidine	91-94-1	4-Aminoazobenzene	60-09-3
3,3'-Dimethoxybenzidine	119-90-4	o-Anisidine	90-04-0
2,6-Xylidine	87-62-7	2,4-Xylidine	95-68-1

FORMALDEHYDE

The product may not contain formaldehyde in excess of the limits stipulated under GB18401-2010.

<u>Substance</u>	<u>CAS Number</u>
Formaldehyde	50-00-0

pH VALUE

The product may not contain pH value in excess of the limits stipulated under GB18401-2010.

<u>Substance</u>	<u>CAS Number</u>
pH value	N/A

China – GB 25036-2010 Safety Requirements of Clause 5.2 for Children’s Canvas Rubber Footwear, GB 25038-2010 Rubber Shoes Healthy and Safe Specification

It applies to shoes which contain rubber that has undergone heat vulcanization. The upper materials of the shoes may be made from textile materials, synthetic leather or artificial leather.

<u>Substance</u>	<u>CAS Number</u>
Formaldehyde	-
Extractable Lead	-
Extractable Cadmium	-
Extractable Arsenic	-
Azo Dyestuff-Aromatic Amines	-
Chlorinated Phenols PCP,TeCP	-
N-nitrosamines	-

China – GB21550-2008 Restriction of Hazardous materials in Polyvinyl Chloride Artificial Leather

It applies to all synthetic leather or artificial leather made of PVC.

<u>Substance</u>	<u>CAS Number</u>
Vinyl Chloride Monomer (VCM)	-
Soluble Lead	-
Soluble Cadmium	-
Other Volatile Substances	-

China –safety requirement standard for Leather and fur products, GB 20400

GB 20400 is a mandatory national safety standard for leather & fur products. If products fail to meet the safety requirements, they are not allowed to be manufactured, sold or imported into the China market

AZO DYES

The product may not contain the follow aryl amines in excess of the limits stipulated under GB20400.

<u>Substance</u>	<u>CAS-No.</u>	<u>Substance</u>	<u>CAS-No.</u>
4-Aminodiphenyl	92-67-1	3,3’-Dimethylbenzidine	119-93-7
Benzidine	92-87-5	3,3’-Dimethyl-4,4’-diaminodiphenylmethane	838-88-0
4-Chloro-o-toluidine	95-69-2	4,4’-Diaminodiphenylmethane	101-77-9
2-Naphtylamine	91-59-8	4,4’-Methylene-bis(2-chloroaniline)	101-14-4
o-Aminoazotoluene	97-56-3	4,4’-Oxydianiline	101-80-4
2-Amino-4-nitrotoluene	99-55-8	4,4’-Thiodianiline	139-65-1
p-Chloroaniline	106-47-8	o-Toluidine	95-53-4
2,4-Diaminoanisole	615-05-4	2,4-Tolylenediamine	95-80-7
p-Cresidine	120-71-8	2,4,5-Trimethylaniline	137-17-7
3,3’-Dichlorobenzidine	91-94-1	4-Aminoazobenzene	60-09-3
3,3’-Dimethoxybenzidine	119-90-4	o-Anisidine	90-04-0
2,6-Xylidine	87-62-7	2,4-Xylidine	95-68-1

FORMALDEHYDE

The product may not contain formaldehyde in excess of the limits stipulated under GB20400.

<u>Substance</u>	<u>CAS Number</u>
Formaldehyde	50-00-0

Requirements for Korea

Products that are regulated under Self Regulatory Safety Confirmation Act are required to be tested in a laboratory authorized by the Korean government. Products which are regulated under Safety Quality Marks are required to satisfy the relevant requirements.

Safety Requirements for Textile Products for Infants (Self Regulatory Safety Confirmation Act and Safety Requirements for Textile Products (Safety Quality Mark):

FORMALDEHYDE

The product may not contain formaldehyde in excess of the limits stipulated under Self Regulatory Safety Confirmation Act, Annex 4

Substance	CAS Number
Formaldehyde	50-00-0

pH VALUE

The product may not have the pH value in excess of the limits stipulated under Self Regulatory Safety Confirmation Act, Annex 4

ORGANOTIN COMPOUNDS

The product may not contain the following organotin Compounds in excess of the limits stipulated under Self Regulatory Safety Confirmation Act, Annex 4

Substance	CAS Number
Tributyltin (TBT)	56573-85-4
Dibutyltin (DBT)	1002-53-5

AZO DYES

The product may not contain the following arylamines in excess of the limits stipulated under Self Regulatory Safety Confirmation Act, Annex 4

Substance	CAS-No.	Substance	CAS-No.
4-Aminodiphenyl	92-67-1	3,3'-Dimethylbenzidine	119-93-7
Benzidine	92-87-5	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0
4-Chloro-o-toluidine	95-69-2	4,4'-Diaminodiphenylmethane	101-77-9
2-Naphtylamine	91-59-8	4,4'-Methylene-bis(2-chloroaniline)	101-14-4
o-Aminoazotoluene	97-56-3	4,4'-Oxydianiline	101-80-4
2-Amino-4-nitrotoluene	99-55-8	4,4'-Thiodianiline	139-65-1
p-Chloroaniline	106-47-8	o-Toluidine	95-53-4
2,4-Diaminoanisole	615-05-4	2,4-Tolylenediamine	95-80-7
p-Cresidine	120-71-8	2,4,5-Trimethylaniline	137-17-7
3,3'-Dichlorobenzidine	91-94-1	4-Aminoazobenzene	60-09-3
3,3'-Dimethoxybenzidine	119-90-4	o-Anisidine	90-04-0
2,6-Xylidine	87-62-7	2,4-Xylidine	95-68-1

PHTHALATES

The product may not contain the following phthalates in excess of the limits stipulated under Self Regulatory Safety Confirmation Act, Annex 4

Substance	CAS
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7
Dibutyl Phthalate (DBP)	84-74-2
Benzylbutyl Phthalate (BBP)	85-68-7
Diisononyl Phthalate (DINP)	28553-12-0
Di-n-octyl Phthalate (DnOP)	117-84-0
Diisodecyl Phthalate (DIDP)	26761-40-0

FLAME RETARDANTS

The product may not contain the following flame retardants in excess of the limits stipulated under Self Regulatory Safety Confirmation Act, Annex 4

Substance	CAS-No.
Tris-(2,3-Dibromopropyl) Phosphate (TDBPP)	126-72-7
Pentabromodiphenyl ethers (PentaBDE)	32534-81-9
Octabromodiphenyl ether (OctaBDE)	32536-52-0

DIMETHYL FUMARATE

The product may not contain diemthyl fumarate in excess of the limits stipulated under Self Regulatory Safety Confirmation Act, Annex 4

<u>Substance</u>	<u>CAS-No.</u>
Dimethyl fumarate	624-49-7

LEAD

The product may not contain lead in excess of the limits stipulated under Self Regulatory Safety Confirmation Act, Annex 4

<u>Substance</u>	<u>CAS</u>
Lead	7439-92-1

DISPERSE DYES

The product may not contains the following dyes in excess of the limits stipulated under Self Regulatory Safety Confirmation Act, Annex 4

<u>Substance</u>	<u>CAS-No.</u>	<u>Substance</u>	<u>CAS-No.</u>
C.I. Disperse Blue 3 (Structure No: C.I. 61 505)	2475-46-9	C.I. Disperse Red 11 (Structure No: C.I. 62 015)	2872-48-2
C.I. Disperse Blue 7 (Structure No: C.I. 62 500)	3179-90-6	C.I. Disperse Red 17 (Structure No: C.I. 11 210)	3179-89-3
C.I. Disperse Blue 26 (Structure No: C.I. 63 305)	3860-63-7	C.I. Disperse Yellow 1 (Structure No: C.I. 10 345)	119-15-3
C.I. Disperse Blue 102	12222-97-8	C.I. Disperse Yellow 9 (Structure No: C.I. 10 375)	6373-73-5
C.I. Disperse Orange 1 (Structure No: C.I. 11 080)	2581-69-3	C.I. Disperse Yellow 39	12236-29-2
		C.I. Disperse Yellow 49	54824-37-2

Safety Requirements for Leather Products (Safety Quality Mark)

FORMALDEHYDE

The product may not contain formaldehyde in excess of the limits stipulated under Safety Quality Act, Annex 3

<u>Substance</u>	<u>CAS Number</u>
Formaldehyde	50-00-0

DIMETHYL FUMARATE

The product may not contain diemthyl fumarate in excess of the limits stipulated under Safety Quality Act, Annex 3

<u>Substance</u>	<u>CAS-No.</u>
Dimethyl fumarate	624-49-7

CHROMIUM (VI)

The product may not contain chromium (VI) in excess of the limits stipulated under Safety Quality Act, Annex 3

<u>Substance</u>	<u>CAS-No.</u>
Chromium VI	18540-29-9

Pentachlorophenol (PCP)

The product may not contain Pentachlorophenol(PCP) in excess of the limits stipulated under Safety Quality Act, Annex 3

<u>Substance</u>	<u>CAS-No.</u>
Pentachlorophenol (PCP)	87-86-5

Requirements for Taiwan

CNS 15290 covers the use of harmful substances in Taiwan in the following textile products:

- Baby textile products
- Textile products that maintain direct contact with skin
- Textile products that maintain indirect contact with skin
- Textile materials used in interior decoration

<u>Substance</u>	<u>CAS-No.</u>
Formaldehyde	50-00-0
Azo Dyes	-
Cadmium	7440-43-9
Lead	7439-92-1
Organotin- Tributyltin (TBT)	56573-85-4
Triphenyltin (TPhT)	668-34-8
Nonylphenol	25154-52-3
Nonylphenol ethoxylates	-

Standard Practices and Best Practices

The following represent substances regulated in jurisdictions outside of the US and EU in addition to substances present on the AAFA RSL.

BROMINATED FLAME RETARDANTS

In addition to the Brominated Flame Retardants listed under the EU requirements, the product may not contain the following substances.

<u>Substance</u>	<u>CAS-No.</u>
Bis(2,3-Dibromopropyl)phosphate	5324-12-9

PROCEDURES

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

Testing Procedures

TESTING PROGRAM

The VINCE. Test program must be followed as per the Test Requirement Chart in the VINCE. Manual.

Fabric Stage:

Full Test Package is to be completed on one color only.

Additional Colors Test Package is to be completed on all additional colors.

Garment Stage:

Garment Test Package is to be tested on one color only.

Color blocked garments must submit panels sewn together for additional colors.

Trim Stage:

Trims are tested as raw materials or

Trims are tested as part of garment test package

Composite Testing:

Composite Testing is allowed up to 3 colors/substrates. If Composite testing results are **"INTERIM FAIL"**, individual testing is to be performed automatically to identify which particular 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

INCLUSIVE PROGRAM:

For all Inclusive styles that are **direct copy from mainline** (season code, body, fabric, and color), please note the following testing procedures.

- Fabric stage- We can reference the same full test package for the mainline style.
- Garment stage- We can reference the same garment test package for the mainline style. However, please make sure both complete V-code and VE-code are added to the SGS test request form. The garment test report **must** include all related style codes for both mainline and the inclusive program to be accepted.

For all Inclusive styles that are **not a direct repeat** of the mainline style i.e. lining has been added, changed construction or style line to improve fit/look for Inclusive etc.

- Garment stage - A separate garment test must be requested and submitted for this style.
- Fabric stage -We will accept mainline fabric test results.

For **exclusive Inclusive** programs

- Please follow Vince normal testing procedure requirements.

Responsibility Guidelines:

Design, R&D & PD teams determine yarns/fabrics deem RESPONSIBLE by season.

Categories:

RECYCLED

ORGANIC

TRADEMARKED YARNS

- R&D/PD request mill/supplier to provide certificate statement for development materials.
- Supplier is advised of banned animal fibers-Angora, Alpaca.
- Fiber testing of SMS yardage to verify no banned animal fibers.
- PD sets up BOMS for special hang tags if required.

Bulk ordering

- Vince pre-book PO indicates raw material is "RESPONSIBLE" as classified in Categories.
- Mill to provide documentation/declaration of "RESPONSIBLE" item when requesting testing to lab, so lab can include verbiage in final test report.
- Test reports reviewed by production RM buyer to confirm proper verbiage reflecting responsible article as classified in Categories.
- Mill provides certificate statement of responsible raw materials with bulk fabric invoice.
- Bulk fabric invoice includes Vince GARMENT PO #'s for traceability.
- Fabric test reports passed to factory that contain verbiage reflecting responsible article as classified in Categories.
- Content labels reviewed by production manager for accuracy for responsible content as classified in Categories.

Testing Procedures

SAMPLE SUBMISSION

Test Request Form

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

Sample Size

Fabric Sample Requirements:

- Three 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.

Leather Skin Requirements:

- 2 skins

Garment/Product Sample Requirements:

- **Three samples** are needed for testing. The lab may cut a swatch from the garment to be used as the 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	2 Garments
RESTRICTED SUBSTANCE	
Lead / Cadmium in Paint - per color	1 g dried paint = approximately 50 snaps, buttons, beads, sequins 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
Brominated Flame Retardants [7 items- PBB, TRIS, TEPA, PentaBDE, OctaBDE, Deca BDE, Bis(2,3-dibromopropyl) phosphate] – per material (Required if sample treated with flame retardant only)	5g 5" X 5" sheet
Chromium VI – per color	3 g 6" X 6" sheet
Azo Dyes– per color	3 g 1 bag, 2 pair shoes 5" X 5" sheet
Disperse dyes– per color	3 g
Formaldehyde –per material	3 g
Nickel release – per material (direct and prolonged skin contact)	2 identical articles or 2 g
BPA, PFAS, Formaldehyde & Chromium VI	5 grams each material per chemical to be tested 6" X 6" sheet
Organotin Compounds (TBT/ TPhT) – per material	5 g
Dimethyl fumarate – per material	5 g
Chlorinated phenols (PCP)- per material	5 g

Test Items	Sample size
Pesticides – per materials	15 g
Solvent [9 items] – per materials	10 g
Nonylphenol (NP) & Nonylphenol Ethoxylates (NPEOs) – per materials	5g
Dioxins & Furans	25 g
Heavy Metals (ASTM F963)	5 g
REACH SVHC Candidate List Substances ¹	2 identical articles Or 5 g per homogenous material

¹The screening approach of mixing a maximum of **20-in-1** mix test per material group would be adopted for finished products and a maximum of **5-in-1** mix for raw materials.
Components of different material groups or articles cannot be mixed.

TURNAROUND TIME

- 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% for Us and 40% Asia.

TEST REPORTS

The VINCE. 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 VINCE.’s requirements.
- VINCE.’s requirements must be listed on the right side of each test results page.
- Page before COC of report must only include the fiber id results.
- Use current protocols for dog apparel product testing

REPORT DISTRIBUTION

Email reports to:

- VINCE. Name and email address: SGS NOT to email reports to VINCE. This is for their other provider.

1. Elvira Zusman: EZusman@vince.com
2. Emma Otgongerel: EOtgongerel@vince.com
3. Gina Shinn: GShinn@vince.com
4. Linda Kim: Linda.Kim@vince.com
5. Nicholas Kim: NKim@vince.com
6. Nora Mohaber: NMohaber@vince.com
7. CC: Grace Nahm: GNahm@vince.com

- **Vendor:** Name and email address
- **Email Subject Line:** Season, style #, PO, report number, Pass/Fail/CP.
- **Hard copy with test swatches to:** Mailing charges are to be paid by: Applicant

Testing Procedures

SAMPLE RETURN

- The tested sample(s) and controls must be identified with report and style number.
- Samples will be returned upon request.
- Sample return mailing charges will be paid by: Applicant

BILLING

Labs directly bill applicant for the testing, as per the agreed VINCE. 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.

If you cannot give VINCE terms, please invoice through the US.

All invoices to be paid by VINCE. Must now be submitted to VendorInvoices@VINCE.com

- Invoice Header should include "Attention to" appropriate contact within the VINCE. Organization
 - Vendors are encouraged to include this individual on copy when submitting invoices
- Only TIF, TIFF, or PDF Electronic file types are supported.

If you cannot accommodate electronic invoices, please use the following address to submit paper invoices:

VINCE., LLC
PO Box 446
Broadway, NJ 08808-0446

Vendor Inquiries on this or other subjects can be directed to VendorInquiries@VINCE.com

Credit Approval – SGS ONLY

The opportunity to submit test samples without prepayment for services is offered to qualifying VINCE.'s 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 – SGS ONLY

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 VINCE. Is for SGS to directly bill the VINCE.'s vendors, SGS will request guaranty of vendor payment by the VINCE. And will seek collection from the VINCE. In event of the vendor's default beyond SGS standard credit terms.

RETESTS

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

VINCE./Vendor/Laboratory Responsibilities

VINCE. Quality Assurance Responsibility

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

Vendor Responsibility

- Fill out VINCE. /Laboratory Test Request Form and all mandatory fields.
- **Submit a separate Test Request Form for REACH SVHC test submission if requested by VINCE.**
- Timely sample submission to the local laboratory, with a copy of the completed Test Request Form.
- Propose care instructions
- 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.
- Payment to laboratory for all testing.
- Only test reports from approved labs will be accepted.

Testing Laboratory Responsibility

- Distribute VINCE. Quality Assurance manual to approved laboratories
- TRF must have all mandatory fields filled in for SGS Portal.
- Conduct tests as requested and evaluate test results.
- Report is to include results, requirements, pass/conditional pass/fail and conclusion.
- Fiber Id results in last page of report.
- Lab to review documents for fiber id for trademark, recycled, virgin and organic fibers when presented. Follow SGS SOP
- Care recommendation for each report where applicable.
- Use current protocols for dog apparel product testing.
- Test restricted substances only upon request. Can be requested by material or country of distribution.
- Reports are to be issued within five (5) business days* via email
- SGS need not copy VINCE. Contacts for emailing reports, only vendor.
- Upload reports to the SGS Portal.
- Separate report will be issued for REACH SVHC test results.
 - *REACH SVHC reports will be issued within seven (7) business days.
- **Real Feather testing:**
 - Vince wants all real feathers used on a garment to be called out on the label.
 - Real feather used as an embellishment must be disclosed on the fiber content label per sectional labeling.

TESTING

TESTING REQUIREMENT CHART

RS TEST PLAN BY COUNTRY/BY MATERIAL

TEST REPORT FORMAT

TEST REQUEST FORM

VINCE. Test Requirement Charts – Fabric; Garment; Denim

PACKAGE TEST LIST	Production Fabric	Production Garment	Additional Colorways	Denim Fabric	Denim Garment
Labeling		X			X
Defects		X			
Dimensional Stability in Laundering (3 cycles) and Dry Cleaning (1 cycle)	X	X			X
Appearance after Laundering and Dry Cleaning	X	X			X
Skewing (knits & wovens)	X	X			
Colorfastness to Laundering and Dry Cleaning (Accelerated)	X		X	X	
Colorfastness to Laundering and Dry Cleaning (Actual)		X			X
Colorfastness to Crocking	X	X	X	X	X
Colorfastness to Light	X		X	X	X
Colorfastness to Perspiration		X	X	X	X
*Colorfastness to Sea/Pool Water	X		X		
Colorfastness to Chlorine Bleach	X		X	X	X
Colorfastness to Non-Chlorine Bleach	X		X	X	X
Fabric Weight	X			X	
Thread Count	X			X	X
Fiber Analysis/Document Review	X				X
Pilling	X				
Seam Strength/Slippage		X		X	X
Yarn Slippage	X				
Seam Stretchability		X knit			
Bursting/Tensile Strength	X			X	
Tear Strength Woven Only	X			X	X
Stretch and Recovery (fabric with stretch yarns)	X			X	
*Pile Retention Woven Only	X				

VINCE. Test Requirement Charts – Fabric; Garment; Denim

PACKAGE TEST LIST	Production Fabric	Production Garment	Additional Colorways	Denim Fabric	Denim Garment
*Water Resistance (Rainwear/outerwear)	X				
*Water Repellency (rainwear/outerwear)	X				
Zipper Strength (upon request)		X			X
Formaldehyde (spot test, if positive, full test) (on main fabric only)	X	X			X
pH	X	X			X
*Down & Feather content		X			
*Down & Feather turbidity cleanliness		X			
*Down & Feather oxygen number		X			
*Downproofness		X			
Regulatory					
Flammability (Non-exempt fabrics only)	X				X
Restricted Substances	Upon Request				

VINCE. Test Requirement Charts – Sweater; Cashmere; Leather/Suede; Lining

PACKAGE TEST LIST (Mandatory Tests)	Sweaters	Cashmere	Leather/Suede Skin	Leather/Suede Garment	Lining Knit/Woven
Labeling	X	X		X	
Dimensional Stability in Laundering (3 cycles) and Dry Cleaning (1 cycle)	X	X	X professional leather clean	X profession leather clean	X
Appearance after Laundering and Dry Cleaning	X	X	X professional leather clean	X professional leather clean	X
Skewing (knit's only)	X	X			
Colorfastness to Professional Dry Cleaning			X	X	
Colorfastness to Laundering and Dry Cleaning (Accelerated)					X Fabric
Colorfastness to Laundering and dry clean (Actual)	X	X	X washable leather	X washable leather	X Garment
Colorfastness to Crocking	X	X	X		X

VINCE. Test Requirement Charts – Sweater; Cashmere; Leather/Suede; Lining

PACKAGE TEST LIST	Sweater	Cashmere	Leather/Suede Skin	Leather/Suede Garment	Lining Knit/Woven
Colorfastness to Light	X	X	X		
Colorfastness to Perspiration	X	X			X
Colorfastness to Chlorine Bleach	X				X
Colorfastness to Non-Chlorine Bleach	X	X			X
Fabric Weight					X
Thread Count					X
Yarn Size	X	X			
Fiber Analysis	X	X	X leather id Fur id		X
Fiber Diameter		X			
Garment Weight (Sweaters Only)	X	X			
Pilling	X	X			
Taber Abrasion			X		
Seam Stretchability	X	X			
Component Strength				X	
Bursting/Tensile Strength	X		X Leather tensile		X
Seam Slippage					X woven only
Tear Strength					X
Stretch and Recovery (fabrics with stretch yarns)	X				
Snap/Unsnap				X	
Corrosion (metals only)				X	
Color Sublimation in Storage (dyed buttons only)				X	
Zipper Strength (upon request)				X	
Formaldehyde (spot test, if positive, full test) (on main fabric only)	X		X	X	X
pH	X	X	X		
Regulatory					
Flammability (Non-exempt)	X		X		X
Restricted Substances	Upon Request				

Recommended Restricted Substance Test Plan – By Country

Test Item	US	CANADA	EU	JAPAN	CHINA	KOREA
Lead in Substrate - Per Material	X	Children's only	Jewelry Only			Children's only
Lead in Surface Coating - Per Color	X	Children's only	Jewelry Only			Children's only
Phthalates - Per Material	X	Children's only	Children's only			Children's only
Total Cadmium - Per Color	Jewelry		X			
Soluble Heavy Metal	Children's Jewelry				Children's- All items Adults- PVC Leather only	
Brominated Flame Retardants - Per Material (Required only if sample is flame retardant treated)	X		X	X		X
Short-chain chlorinated paraffins (SCCPs)			X			
Chromium VI - Per Color			X			X
Azo Dyes - Per Color			X		X	X
Disperse Dyes - Per Color			X			X
Navy Blue- Per Color			X			
Formaldehyde - Per Material			X	X	Leather Items only	X
pH - Per Material					X	X
Nickel Release - Per Material (direct and prolonged skin contact only)			X			
Perfluoroalkyl and polyfluoroalkyl substances (PFAS) or Perfluorocarbons (PFC) (with DWR, water, oil, or stain repellent finish only) (per material)	X	X	X			
Organotins - Per Material			X	X		X
DMF - Per Material			X			X
PCP - Per Material			X		X	X
TeCP- Per Material			X		X	
Pesticides - Per Material			X	X		X
Alkylphenols & Alkylphenol Ethoxylates (NP, NPEO)			X			
SVHC Candidate List Screening			X			
Polycyclic Aromatic Hydrocarbons (PAHs) (direct and prolonged skin contact only)			X			
N-nitrosamines					X	
Vinyl Chloride Monomer (VCM)					PVC Leather only	
Volatile Organics					PVC Leather only	

X – Both Children's & Adult's Products

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	Leather	Metal parts	Adhesives
Lead - per color	●			●	●	●	●
Phthalates – per material	●			●			●
Total Cadmium – per color	●			●	●	●	●
Chromium VI – per color					●		
Azo Dyes – per-color		●	●	●	●		
Disperse dyes – per color			●				
Formaldehyde – per material		●	●	●	●		●
Pentachlorophenol (PCP) – per material		●		●	●		
Organotin Compounds (TPhT/ TBTTcYt/TOT/DBT/DOT) – per material	●	●	●	●	●		●
Nickel release – per material direct and prolonged skin contact						●	
Perfluoroalkyl and polyfluoroalkyl substances (PFAS) or Perfluorocarbons (PFC) (with DWR, water, oil, or stain repellent finish only) (per material)	●	●	●	●	●	●	
Bisphenol-A (BPA) (per material) Bisphenol-S (BPS) (per material)	● (plastic polycarbonate / footwear)		●polyester/spandex fabrics; socks, sports bras & athletic shirts)				
Brominated Flame Retardants [7 items- PBB, TRIS, TEPA, PentaBDE, OctaBDE, Deca BDE, Bis(2,3-dibromopropyl) phosphate] – per material (Required if sample treated with flame retardant only)	●	●	●				
Dimethyl fumarate – per material (only when packaged with any form of anti-mold agent)		●	●		●		
Pesticides – per materials		●			●		
Alkylphenols & Alkylphenol Ethoxylates (NP,OP, NPEO, OPEO) – Per material	●	●	●	●	●		●
Polycyclic Aromatic Hydrocarbons (PAHs)	●			●			
pH value – per material	●rubber only	●	●		●		
Candidate List Substances	●	●	●	●	●	●	●

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.

Bureau Veritas

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APPLICANT:		FACTORY:	
CONTACT PERSON:		EMAIL:	
ADDRESS:			
PHONE:			
INVOICE RECIPIENT NAME & ADDRESS (IF DIFFERENT FROM ABOVE):			
VINCE. DIVISION:			
VINCE. DIVISION CONTACT:		E-Mail address of VINCE. Contact:	
SEND REPORTS TO: See testing manual for report distribution.			
SAMPLE DESCRIPTION:		END USE:	
STYLE NAME:		STYLE #:	
COLOR:		PO# / REF#:	
COUNTRY OF ORIGIN:		CONSTRUCTION:	
FIBER CONTENT:		WEIGHT:	
FABRIC:		COUNT:	
FABRIC REPORT NUMBER & DATE (IF TESTING GARMENT):			
APPLICANT'S PROPOSED CARE INSTRUCTION: (Must be filled in below in order for testing to start)			
Package Test: (click on box to "check")			
<input type="checkbox"/> Woven Item <input type="checkbox"/> Knit Item <input type="checkbox"/> Denim <input type="checkbox"/> Sweater <input type="checkbox"/> Leather & Suede <input type="checkbox"/> Swimwear <input type="checkbox"/> Lining <input type="checkbox"/> Woven <input type="checkbox"/> Knit		<input type="checkbox"/> Fabric <input type="checkbox"/> Garment <input type="checkbox"/> Additional Color <input type="checkbox"/> Children <input type="checkbox"/> Adult	
<input type="checkbox"/> Retest: Previous Report Number:		Date:	
Additional Tests (Please specify below):		Other:	
<input type="checkbox"/> Durable Press Appearance <input type="checkbox"/> Pile Retention <input type="checkbox"/> Component Strength <input type="checkbox"/> Button Impact <input type="checkbox"/> Zipper Strength <input type="checkbox"/> Water Resistance <input type="checkbox"/> Water Repellency <input type="checkbox"/> Stain Repellency <input type="checkbox"/> Care Label Recommendation <input type="checkbox"/> Children Sleepwear Flammability <input type="checkbox"/> Original Fabric <input type="checkbox"/> 50 Washes <input type="checkbox"/> GPU <input type="checkbox"/> Prototype Seams			
SUPPLIER SIGNATURE:			
DATE:			
NOTE: Applicant is hereby authorizing lab to provide a copy of the lab test results to VINCE.			
Service Required: <input type="checkbox"/> Regular (5 days) <input type="checkbox"/> Express (3 days): Surcharge: US :50% Other regions: 40% <input type="checkbox"/> Return Residual Sample			

Please ensure to include page 2 when submitting the signed TRF

THIS TEST REQUEST IS SUBJECT TO THE CONDITIONS OF TESTING SET FORTH ON PAGE TWO. We request the above testing and/or services and agree that all testing and/or services will be carried out subject to BVCPS' scale of charges and turnaround times as set forth in the current price list at the time of testing and/or service delivery.

PERFORMANCE STANDARDS

Performance Standards Index

	Page
Woven Fabric and Garment	38
Denim	43
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WOVEN FABRIC and GARMENT

F= Fabric / G= Garment

F/G	Evaluation	Method	Requirement
LABELING			
G	Uniform Packaging and Labeling Regulations (Applicable to the Packaging Materials)	NIST Uniform Laws and Regulations Handbook 130	Manufacturer, Packer, or Distributor's Name & Address, (City, State & Zip)
			Product Identification
			Identification Net quantity of contents shall be expressed in terms of weight or mass, measure, numerical count, or combination so as to give accurate information to facilitate consumer comparison (U.S. and metric units)
LABELING			
G	Country of Origin Marking	19 CFR 34	Shall indicate country of origin legibly, permanently, in center back of neck or waist in comparable size and close proximity to any mention of country other than country in which the article was manufactured or produced. Must be visible at point of sale.
G	Sewn in Care Label	16 CFR 423	Report Actual
G	Fiber Content	16 CFR 303	Must be visible at point of sale (Packaging) and must comply to Regulations (Textile Fibers Identification Act)
G	WPL# (Wool Product Number) or Manufacturing Name (Applicable to wool product only)	16 CFR 300	If listed, report actual. If not listed, verify presence of RN number or name of manufacturer.
G	RN (Registered Number) or Mfg. Name	16 CFR 303	If listed, report actual (Textile Fiber Products Identification Act)
G	Care Instructions	16 CFR 423	Must be sewn in permanently and Must comply to Regulations (Care Labeling Rule)
G	Size	Visual	Verify Presence
PHYSICAL CHARACTERISTICS			
F	Fabric weight	ASTM D3776	+/-5%
F	Fabric count	ASTM 3775	As Claimed (+/-5%0 Sheets Only: Report
F	Fiber Content Blends	AATCC 20 / 20A	Report Actual (3% Maximum Tolerance –FTC)
F	Fiber Content Single Fiber	AATCC 20 / 20A	Report Actual (0% Tolerance – FTC)
F	Fiber Content- Document Review for any trademark, recycled, virgin, organic fibers.	Visual Review	Any such claims have to be accompanied with a certificate of proof. Lab will verify presence of document and validity date marked within one year. Client requirement: SGS lab will use a valid certificate/ document to verify the fiber, however, SGS can't verify the claim of any trademark, recycled, virgin, organic fibers via testing.

WOVEN FABRIC and GARMENT

F=Fabric / G= Garment

F/G	Evaluation	Method	Requirement
ANALYTICAL			
F/G	Formaldehyde	See RS section	
APPEARANCE PROPERTIES			
F&G	General Appearance after Laundering or Dry Cleaning (3HL/1 HW or 1 DC)	As per care	No obvious defects/observations affecting the end product performance/appearance, color change/staining, satisfactory performance of the components and trims. List all observations
F&G	Defects	Visual / ASTM D3990	No Major Defects. Shall demonstrate good, even construction, with no sharp edges, sharp points or discoloration.
F&G	Skewing (Torque) After Laundering	AATCC 179, Method 1, Option 1	Tops, Shorts, 6.0% max. Skirts, Pants and Dresses 4.0% Fabric: 3%
PERFORMANCE AND PHYSICAL			
F	*Flammability	16 CFR 1610	Class 1, Normal Flammability
F/G	Dimensional Stability (3HL/1 HW)	AATCC 135/150	Length X Width General 3% x 3% Stretch w/Spandex 4% x 4% Corduroy, Velvet, Terry, Flannel 5% x 5% (CVC), 4% x4% (CVS) Dobby/Jacquard/Basket/Pique 5% x 5% Wool, Silk or its blends: 4% x 4% With synthetic 3% X 3% Growth: +1% Maximum
F/G	Dimensional Stability (After 1 Dry Clean)	AATCC 158	Shrinkage: -2.0% x -2.0% Growth" +1% maximum
F	Tensile Strength (Length & Width, lb/in, Minimum)	ASTM D5034	If Fabric Wight (Oz / sq. yd): General Fabrics: <2.4: 15 lbs. minimum 2.5-4.0: 25 lbs. minimum 4.1-6.0: 30 lbs. minimum >6.0: 45 lbs. minimum Wool and Worsted Blends Woolen: 25.0 x 25.0 lbs. minimum Worsted: 30.0 x 30.0 lbs. minimum Silk and Silk Blend (follow if content includes silk): Filament: 40.0 x 35.0 lbs. minimum Staple: 50.0 x 40.0 lbs. minimum

WOVEN FABRIC and GARMENT

F= Fabric / G=Garment

F/G	Evaluation	Method	Requirement
F	Tear Strength (Length & Width, lb. Minimum)	ASTM D1424	If Fabric weight (Oz / sq yd): General Fabrics: <2.4: 1.5 lbs. minimum 2.5-4.0: 2.0 lbs. minimum 4.1-6.0: 3.0 lbs. minimum >6.0: 4.0 lbs. minimum Wool and Worsted Blends Woolen: 2.5 x 2.5 lbs. minimum Worsted: 4.0 x 3.5 lbs. minimum Silk and Silk Blend (follow if content includes silk): Filament; 3.0 x 3.0 lbs. minimum Staple: 4.0 x 3.5 lbs. minimum
G	Seam Strength/slippage	ASTM D1683	If Fabric weight (Oz / sq yd): General Fabrics: <2.4: 10 X 10 lbs. 2.5 – 4.0: 20 x 20 lbs. 4.1-6.0: 25 x 25 lbs. >6.0: 30 x 30 lbs.
F	Yarn Slippage	ASTM D434	If Fabric weight (Oz / sq yd): General Fabrics: <2.4: 10 X 10 lbs. 2.5 – 4.0: 15 x 15 lbs. 4.1-6.0: 20 x 20 lbs. >6.0: 25 x 25 lbs.
F	*Stretch and Recovery	ASTM D3107	Growth: 4% max Recovery: <5%: 80% after 1 hour >5%: 90% after 1 hour
F	*Pile Retention (mandatory for French terry and pile fabric)	ASTM D4845	Face: Grade 4.0 Back: Grade 3.0
F/G	pH	AATCC 81	All colors: 4.5-8
COLORFASTNESS			
F/G	Crocking	AATCC 8/116	General: 4.0/3.0 Dark Color: 3.5/2.5 Microfiber/peached/Sueded: 3.5/2.0
F	Accelerated Laundering/Dry Clean:	AATCC 61/132	Color change: Grade 4.0 minimum Staining: Grade 3.5 minimum Self-staining: Grade 4.5 minimum
G	Actual Laundering (After 3 HL/1 HW)	AATCC 135 / 150 (Mod.)/ S-1042 / as per care	Color change: Grade 4.0 minimum Staining: Grade 3.4 minimum Self-staining; Grade 4.5 minimum (Modification = Adding multifiber to specimen)
G	Actual Dry Cleaning	As per care	Color change: Grade 4.0 minimum Staining: Grade 3.5 minimum Self-staining; Grade 4.5 minimum

WOVEN FABRIC and GARMENT

F=Fabric / G= Garment

F/G	Evaluation	Method	Requirement
G	Perspiration	AATCC 15	Color Change: Grade 4.0 minimum Staining: Grade 3.5 minimum Self-staining: Grade 4.5 minimum Microfiber: Color Change: 3.5 minimum Staining: Grade 3,0 minimum Self-staining: Grade 4.5 minimum
F	Chlorinated pool water (Swimwear only)	AATCC 162	Grade 4.0 minimum
F	Sea Water (Swimwear only)	AATCC 106	Color change: Grade 4.0 minimum Staining: Grade 4.0 minimum Self-staining: Grade 5.0 minimum
F	Water Resistance (Rainwear/outerwear only)	AATCC 35	2ft / 2 minutes 1.0/g maximum
F	Water repellency (Rainwear/outerwear only)	AATCC 22	Original 90 minutes
F	Light	AATCC 16 Option 3	20AFU General: Grade 3.5 minimum Wool: Color change: Grade 3.0 minimum 10 AFU Pastel/Bright/Neon shades Color change: Grade 4.0 minimum Silk: Color change: Grade 3.5 minimum
F	Chlorine Bleach	AATCC TS-001 / S-1003	Color change Minimum 4.0 Results determined by appropriate bleach warning on care label
F	Non-Chlorine Bleach	AATCC TS 001 / S-1004	Color change Minimum 4.0 Results determined by appropriate bleach warning on care label
F	Pilling Resistance (Random Tumble)	ASTM D3512	30 Minutes Minimum Grade: 4.0
Feather & Down Claims (Original)			
G	*Down & Feather content	ASTM D4524 / IDFB 3	As specified (for labeling, follow the USA (ADA) Textile labeling guidelines for feather & Down) 2-3% tolerance
G	*Down & Feather: Turbidity Cleanliness	IDFB 11-A-2015	300 mm minimum (US measurement) Hypo-allergenic/Super clean claims: 500 mm minimum
G	*Down & Feather: Oxygen Number	IDFB 7	Less than 10 Hypho-allergenic/Super clean claims: <5
G	*Downproofness	FTM 191 – Method 5530 (modified)	Grade 4 minimum
HARDWARE TRIM: ADDITIONAL PERFORMANCE TESTING for young adult/adult product (> size 7) only			
SNAPS, EYELETS, AND RIVETS: (in addition to the testing on page 1):			
Note: Components must be submitted attached to bulk fabric in the same manner as in production			
G	*Attachment Strength (Snaps)	ASTM D7142, Option 2	(Client specific requirement) 17 lbs for 10 seconds
G	*Snapping / Unsnapping Force	ASTM d4846/ s-1045	Minimum 2 lbs Maximum 6 lbs
G	*Resistance to Corrosion (Metal Components)	ASTM B117 (Modified)	Withstand 24 hours in 1% salt spray (fog) with no major corrosion or visual change. Modification = 1% salt (fog) spray.
BUTTONS – (SUBMIT 3 DOZ. EACH COLOR/SIZE):			
Note: Buttons must be submitted attached to bulk fabric in the same manner as in production			
G	*Sublimation (dyed buttons)	AATCC 117 (Mod. S-1056) – (EMSIG METHOD)	Pass / Fail
G	*Attachment Strength (Buttons)	16 CFR 1500	17 lbs for 10 Seconds

WOVEN FABRIC and GARMENT

F/G	Evaluation	Method	Requirement
METAL BUCKLE, HOOK & EYE and ZIPPER TEETH			
G	*Resistance to Corrosion (Metal Components)	ASTM B117 (Modified)	Withstand 24 hours in 1% salt spray (fog) with no major corrosion or visual change Modification = 1% salt (fog) spray
G	*Hook Pull Out Strength	ASTM D 1683 (Modified)	15 lbs: Modification: Expanded scope to cover component
G	*Hook & Eye Tension	ASTM D1683 (Modified)	30 lbs. Modification: Expanded scope to cover component
ZIPPERS:			
ZIPPER PERFORMANCE:			
G	*Zipper Operability	ASTM D2062	Open/Close strength (5.0 lbs Maximum shall not be accessible without two actions to operate)
G	*Slider Lock Hold	ASTM D2061	15 lbs. Minimum
G	*Single element strength	ASTM D2061	10 lbs. Minimum
G	*Top Stop Strength	ASTM D2061	20 lbs. Minimum
G	*Bottom Stop Pull Off	ASTM D2061	20 lbs. Minimum
G	*Chain Crosswise Strength	ASTM D2061	50 lbs. Minimum

Key: * Additional Charge for This Test

DENIM

Production Fabric (F) or Garment (G)

F/G	Evaluation	Method	Requirement
LABELING			
G	** Uniform Packaging and Labeling Regulations (Applicable to the Packaging materials)	NIST Uniform Laws and Regulations Handbook 130	Manufacturer, Packer, or Distributor's Name & Address (City, State & Zip) Product Identification Identification Net quantity of contents shall be expressed in terms of weight or mass, measure, numerical count or combination so as to give accurate information to facilitate customer comparison (U.S. and metric units)
G	** Country of Origin Markings	19 CFR 134	Shall indicate country of origin legibly, permanently, in center back of neck o waist in comparable size and close proximity to any mention of country other than country in which the article was manufactured or produced. Must be visible at point of purchase.
G	** Sewn in Care Label	16 CFR 423	Report actual
G	** Fiber Content	16 CFR 303	Must be Visible at Point of Sale (Packaging) and Must Comply to Regulations (Textile Fiber Identification Act)
G	** WPL# (Wool Product Number) or Manufacturing Name (Applicable to wool product only)	16 CFR 300	If listed, report actual. If not listed, verify presence of RN number or name of manufacturer.
G	** RN# (Registered Number) Or Mfr. Name	16 CFR 423	If listed, report actual (Textile Fiber Products Identification Act)
G	** Care Instructions	16 CFR 423	Must be sewn in Permanently and Must Comply to Regulations (Care Labeling Rule)
G	Size	Visual	Verify Presence
PHYSICAL CHARACTERISTICS			
F	Fabric Count	ASTM D 3775	As Claimed (+ / = 5%) Sheets Only: Report
F	Fabric weight	ASTM D3776	As Specified (+/-5%)
G	*Fiber Content** Blends	ASTM 20 / 20A	Report Actual (3% Maximum Tolerance – FTC)
G	*Fiber Content** Single Fiber	ASTM 20 / 20A	Report Actual (0% Tolerance – FTC)
F	Fiber Content- Document Review for any trademark, recycled, virgin, organic fibers.	Visual Review	Any such claims have to be accompanied with a certificate of proof. Lab will verify presence of document and validity date marked within one year. Client requirement: SGS lab will use a valid certificate/ document to verify the fiber, however, SGS can't verify the claim of any trademark, recycled, virgin, organic fibers via testing.
ANALYTICAL			
G	Formaldehyde	See RS Section	

DENIM

Production Fabric (F) or Garment (G)

F/G	Evaluation	Method	Requirement																					
G	*Lead in Surface Coating (Applicable on all Adult's textile and accessories with Surface Coating, including Prints and decals)	16 CFR 1303 / ASTM E1613/E1645	Shall not exceed 90 ppm (0.0009% by weight) total																					
APPEARANCE PROPERTIES																								
G	** General Appearance after Laundering or Dry Cleaning 3 HL/1 HW/1 DC)	VISUAL / S-1055	No obvious defects/observations affecting the end product performance/appearance, color change/staining, satisfactory performance of the components and trims. List all observations																					
G	Defects	VISUAL / ASTM D3990	No Major Defects, Shall demonstrate good, even construction, with no sharp edges, sharp points or discoloration																					
PERFORMANCE																								
G	* Flammability	16 CFR 1610	Class 1, Normal Flammability																					
G	Dimensional Stability (after 3 HL / 1 HW) DC	AATCC 135/150 AATCC 158	Non-stretch: 3.0 x 3.0 Stretch: 5.0 x 5.0 2 X 2																					
G	pH of Water-Extract	AATCC 81	Whites (except Nylon and Protein): 5.5 to 6.5 Nylon and Protein Fibers: 4 – 7 Sulfur Dyed: 7 – 8 Others: 6 – 8																					
F&G	Tensile Strength (Length & Width, lb / in, Minimum)	ASTM D5034	<table border="1"> <thead> <tr> <th>Finished Fabric Weight</th> <th>Normal Garment Wash</th> <th>Stone/Heavy washed/sand blasted</th> </tr> </thead> <tbody> <tr> <td>6.1-8.0 (oz/yd²)</td> <td>90x 50 Lbs</td> <td>-</td> </tr> <tr> <td>8.1-10.0 (oz/yd²)</td> <td>110 x70 Lbs</td> <td>90 x 40 Lbs</td> </tr> <tr> <td>10.1-12.0 (oz/yd²)</td> <td>130 x80 Lbs</td> <td>100 x 50 Lbs</td> </tr> <tr> <td>12.1-13.0 (oz/yd²)</td> <td>150x100 Lbs</td> <td>110 x 60 Lbs</td> </tr> <tr> <td>13.1-14.0 (oz/yd²)</td> <td>170x130 Lbs</td> <td>120 x 80 Lbs</td> </tr> <tr> <td>≥14.1 (oz/yd²)</td> <td>190x150 Lbs</td> <td>130 x 100 lbs</td> </tr> </tbody> </table> <p>*For spandex blends, tensile strength is 70% of the requirement of a non-stretch fabric</p>	Finished Fabric Weight	Normal Garment Wash	Stone/Heavy washed/sand blasted	6.1-8.0 (oz/yd ²)	90x 50 Lbs	-	8.1-10.0 (oz/yd ²)	110 x70 Lbs	90 x 40 Lbs	10.1-12.0 (oz/yd ²)	130 x80 Lbs	100 x 50 Lbs	12.1-13.0 (oz/yd ²)	150x100 Lbs	110 x 60 Lbs	13.1-14.0 (oz/yd ²)	170x130 Lbs	120 x 80 Lbs	≥14.1 (oz/yd ²)	190x150 Lbs	130 x 100 lbs
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F&G	Tear Strength (Length & Width, lb, Minimum)	ASTM D1424	<table border="1"> <thead> <tr> <th>Finished Fabric Weight</th> <th>Normal Garment Wash</th> <th>Stone/Heavy washed/and blasted</th> </tr> </thead> <tbody> <tr> <td>6.1-8.0 (oz/yd²)</td> <td>7.0 x 5.0 Lbs</td> <td>-</td> </tr> <tr> <td>8.1-10.0 (oz/yd²)</td> <td>8.0 x 6.0 Lbs</td> <td>5.0 x 3.5 Lbs</td> </tr> <tr> <td>10.1-12.0 (oz/yd²)</td> <td>9.0 x 7.0 Lbs</td> <td>5.5 x 4.0 Lbs</td> </tr> <tr> <td>12.1-13.0 (oz/yd²)</td> <td>10.0 x 8.0 Lbs</td> <td>6.5 x 5.0 Lbs</td> </tr> <tr> <td>13.1-14.0 (oz/yd²)</td> <td>10.0 x 8.0 Lbs</td> <td>7.0 x 5.0 lbs</td> </tr> <tr> <td>≥14.1 (oz/yd²)</td> <td>11.0 x 9.0 Lbs</td> <td>7.5 x 5.5 Lbs</td> </tr> </tbody> </table>	Finished Fabric Weight	Normal Garment Wash	Stone/Heavy washed/and blasted	6.1-8.0 (oz/yd ²)	7.0 x 5.0 Lbs	-	8.1-10.0 (oz/yd ²)	8.0 x 6.0 Lbs	5.0 x 3.5 Lbs	10.1-12.0 (oz/yd ²)	9.0 x 7.0 Lbs	5.5 x 4.0 Lbs	12.1-13.0 (oz/yd ²)	10.0 x 8.0 Lbs	6.5 x 5.0 Lbs	13.1-14.0 (oz/yd ²)	10.0 x 8.0 Lbs	7.0 x 5.0 lbs	≥14.1 (oz/yd ²)	11.0 x 9.0 Lbs	7.5 x 5.5 Lbs
Finished Fabric Weight	Normal Garment Wash	Stone/Heavy washed/and blasted																						
6.1-8.0 (oz/yd ²)	7.0 x 5.0 Lbs	-																						
8.1-10.0 (oz/yd ²)	8.0 x 6.0 Lbs	5.0 x 3.5 Lbs																						
10.1-12.0 (oz/yd ²)	9.0 x 7.0 Lbs	5.5 x 4.0 Lbs																						
12.1-13.0 (oz/yd ²)	10.0 x 8.0 Lbs	6.5 x 5.0 Lbs																						
13.1-14.0 (oz/yd ²)	10.0 x 8.0 Lbs	7.0 x 5.0 lbs																						
≥14.1 (oz/yd ²)	11.0 x 9.0 Lbs	7.5 x 5.5 Lbs																						
F&G	Seam Slippage	ASTM D1683	<6.0 oz. per sq. yd.: 35.0 >/=6.0 -9.0 oz. per sq. yd.: 40.0 >9.0 oz. per sq. yd.: 45.0																					

DENIM

Production Fabric (F) or Garment (G)

F/G	Evaluation	Method	Requirement												
G	Seam Strength	ASTM D1683	<6.0 oz. per sq. yd.: 35.0 >/6.0 – 9.0 oz. per sq. yd.: 40.0 >9.0 oz. per sq. yd.: 45.0												
F	*Stretch and Recovery	ASTM D3107	Growth: 4% max Recovery: <5%: 80% after 1 hour >5%: 90% after 1 hour												
COLORFASTNESS															
G	Crocking	AATCC 8/116	<table border="0"> <tr> <td></td> <td>Dry</td> <td>Wet</td> </tr> <tr> <td>General:</td> <td>4.0</td> <td>3.0</td> </tr> <tr> <td>Dark Color:</td> <td>3.5</td> <td>2.5</td> </tr> <tr> <td>Microfiber/peached/Suede:</td> <td>3.5</td> <td>2.0</td> </tr> </table>		Dry	Wet	General:	4.0	3.0	Dark Color:	3.5	2.5	Microfiber/peached/Suede:	3.5	2.0
	Dry	Wet													
General:	4.0	3.0													
Dark Color:	3.5	2.5													
Microfiber/peached/Suede:	3.5	2.0													
F	**Accelerated Laundering:	AATCC 61	Color change: Grade 4.0 minimum Staining: Grade 3.5 minimum Self-staining: Grade 4.5 minimum												
G	**Actual Laundering (After 3 HL/1 HW/1 DC)	AATCC 135 / 150 (Mod.) / S-1042 / as per care AATCC 158	Color change: Grade 4.0 minimum Staining: Grade 3.5 minimum Self-staining: Grade 4.5 minimum (Modification = Adding multi-fiber to specimen)												
F&G	Perspiration	AATCC 15	Color change: Grade 3.5 minimum Staining: Grade 3.0 minimum Self-staining: Grade 4.5 minimum												
F&G	Light	AATCC 16 Option 3	20AFU General: Grade 3.5 minimum Pastel/Bright/Neon shades Color change: Grade 3.5 minimum												
G	Chlorine Bleach	AATCC TS-001 / S-1004	Color change: Grade 4.0 minimum Results determine appropriate bleach warning on care label												
G	Non-Chlorine Bleach	AATCC TS-001 / S-1004	Color change: Grade 4.0 minimum Results determine appropriate bleach warning on care label												
HARDWARE TRIM: ADDITIONAL PERFORMANCE TESTING for young adult/adult product (> size 7) only															
SNAPS, EYELETS, AND RIVETS: (in addition to the testing on page 1):															
Note: Components must be submitted attached to bulk fabric in the same manner as in production															
G	*Attachment Strength (Snaps)	ASTM D7142, Option 2	(Client specific requirement) 17 lbs for 10 seconds												
G	*Snapping / Unsnapping Force	ASTM d4846/ s-1045	Minimum 2 lbs Maximum 6 lbs												
G	*Resistance to Corrosion (Metal Components)	ASTM B117 (Modified)	Withstand 24 hours in 1% salt spray (fog) with no major corrosion or visual change. Modification = 1% salt (fog) spray.												
BUTTONS – (SUBMIT 3 DOZ. EACH COLOR/SIZE):															
Note: Buttons must be submitted attached to bulk fabric in the same manner as in production															
G	*Sublimation (dyed buttons)	AATCC 117 (Mod. S-1056) – (EMSIG METHOD)	Pass / Fail												
G	*Attachment Strength (Buttons)	16 CFR 1500	17 lbs for 10 Seconds												

DENIM

Production Fabric (F) or Garment (G)

F/G	Evaluation	Method	Requirement
METAL BUCKLE, HOOK & EYE and ZIPPER TEETH			
G	*Resistance to Corrosion (Metal Components)	ASTM B117 (Modified)	Withstand 24 hours in 1% salt spray (fog) with no major corrosion or visual change Modification = 1% salt (fog) spray
G	*Hook Pull Out Strength	ASTM D 1683 (Modified)	15 lbs: Modification: Expanded scope to cover component
G	*Hook & Eye Tension	ASTM D1683 (Modified)	30 lbs. Modification: Expanded scope to cover component
ZIPPERS:			
ZIPPER PERFORMANCE:			
G	*Zipper Operability	ASTM D2062	Open/Close strength (5.0 lbs Maximum shall not be accessible without two actions to operate)
G	*Slider Lock Hold	ASTM D2061	15 lbs. Minimum
G	*Single element strength	ASTM D2061	10 lbs. Minimum
G	*Top Stop Strength	ASTM D2061	20 lbs. Minimum
G	*Bottom Stop Pull Off	ASTM D2061	20 lbs. Minimum
G	*Chain Crosswise Strength	ASTM D2061	50 lbs. Minimum

SWEATERS

F= Fabric / G=Garment

G	Evaluation	Method	Requirement
LABELING			
G	Uniform Packaging and Labeling Regulations (Applicable to the Packaging materials)	NIST Uniform Laws and Regulations Handbook 130	Manufacturer, Packer, or Distributor's Name & Address (City, State & Zip)
			Product Identification
			Identification Net quantity of contents shall be expressed in terms of weight or mass, measure, numerical count, or combination so as to give accurate information to facilitate consumer comparison (U.S. and metric units)
G	Country of Origin	19 CFR 134	Shall indicate country of origin legibly, permanently, in center back of neck or waist in comparable size and close proximity to any mention of country other than country in which the article was manufactured or produced. Must be visible at point of purchase.
G	Sewn in Care Label	16 CFR 423	Report Actual
G	Fiber Content	16 CFR 303	Must be visible at Point of Sale (Packaging) and Must Comply to Regulations (Textile Fibers Identification Act)
G	WPL# (Wool Product Number) or Manufacturing Name (Applicable to wool product only)	16 CFR 300	If listed, report actual. If not listed, verify presence of RN number or name of manufacturer.
G	RN# (Registered Number) or Mfr. Name	16 CFR 303	If listed, report actual (Textile Fiber Products Identification Act)
G	Care Instructions	15 CFR 423	Must be sewn in Permanently and Must Comply to Regulations (Care Labeling Rule)
G	Size	Visual	Verify Presence
PHYSICAL CHARACTERISTICS			
G	Fabric Weight	ASTM D3776	+ / - 5%
G	Yarn Size	ASTM D1059	Report Actual
	Fiber Content**Blends	AATCC 20 / 20A	Report Actual (3% Maximum Tolerance – FTC)
G	Fiber Content**Single Fiber	AATCC 20 / 20A	Report Actual (0% Tolerance – FTC)
G	Fiber Content- Document Review for any trademark, recycled, virgin, organic fibers.	Visual Review	Any such claims have to be accompanied with a certificate of proof. Lab will verify presence of document and validity date marked within one year. Client requirement: SGS lab will use a valid certificate/ document to verify the fiber, however, SGS can't verify the claim of any trademark, recycled, virgin, organic fibers via testing.
G	Fiber Diameter (cashmere only) Cashmere Micron Size	IWTO-8	<ul style="list-style-type: none"> Average fiber diameter less than 19 microns Coarse hair in excess of 30 microns cannot exceed 3% by weight of the product Coefficient of variation must be less than 24%
ANALYTICAL			
G	Formaldehyde	See RS Section	

SWEATERS

F=Fabric / G=Garment

G	Evaluation	Method	Requirement
APPEARANCE PROPERTIES			
G	General Appearance after Laundering or Dry Cleaning (3 HL/ 1 HW or 1 DC)	VISUAL / S-1055	No obvious defects/observations affecting the end product performance/appearance, color change/staining, satisfactory performance of the components and trims. List all observations
G	Defects	Visual / ASTM D3990	No Major Defects Shall demonstrate good, even construction, with no sharp edges, sharp points or discoloration.
G	Skewing (Torque)	AATCC 179	6% Max.
PERFORMANCE			
G	*Flammability	16 CFR 1610	Class 1, Normal Flammability
G	*Flammability (blanket)	ASTM D4151	Grade 1
F&G	*Flammability- Sleepwear	16 CFR 1615/1616	Meet Standard Testing required in the following stages: Fabric- Fabric Production Unit (FPU) Prototype- Seams, Trims prototype Garment- Garment Production Unit Tight Fitting Sleepwear will be evaluated per 16 CFR 1610
G	Dimensional Stability (After 3HL / 1 HW)	AATCC 135 / 150	Length x Width 5.0 x 5.0
G	Dimensional Stability (After 1 Dry Clean)	AATCC 158	Shrinkage: -3.0% x -3.0% Growth: 0.0% maximum
G	Crocking	AATCC 8 / 116	General: 4.0/30 Dark Color: 3.5/2.5 Microfiber/peached/Suede: 3.5/2.0
G	Seam Stretchability (Knits)	AATCC TS-015	Fabrics <3.5 oz/sq.yard = Minimum 30% Elongation or 6.0lb load Fabrics ≥3.5 oz/sq.yard = Minimum 50% Elongation or 7.0lb load
G	Bursting Strength (Fabric)	ASTM D3768	If Fabric weight (Oz / sq yd): General Fabrics: <2.4: 25 psi. 2.5 – 4.0: 40 psi. 4.1-6.0: 50 psi >6.0: 60 psi
F	*Stretch and Recovery	ASTM D2594	Growth: 4% max Recovery: <5%: 80% after 1 hour >5%: 90% after 1 hour
G	Piling Resistance (ICI Pilling)	ISO 12945-1	Class 3.5 @ 4 hours Class 3.5 @ 2 hours for animal fibers
G	pH	AATCC 81	All colors: 4.5-8

SWEATERS

F=Fabric / G=Garment

G	Evaluation	Method	Requirement
G	Actual Laundering (After 3 HL/1 HW)	AATCC 135 / 150 (MOD.) / S-1042/ as per care	Color Change: Grade 4 minimum Staining: Grade 3.5 minimum Self-staining: Grade 4.5 minimum Pigment dyed/Printed or silk: Color Change: Grade 3 minimum Staining: Grade 3.5 minimum Self-staining: Grade 4.5 minimum (Modification = Adding multi-fiber to specimen)
G	Actual Dry Clean	As per care	Color change: Grade 4 minimum Staining: Grade 3.5 minimum Self-staining: Grade 4.5 minimum
G	Perspiration	AATCC 15	Color change: Grade 4 minimum Staining: Grade 3.5 minimum Self-staining: Grade 4.5 minimum
G	Light	AATCC 16 Option 3	20AFU General: Grade 3.5 minimum Wool: Color change: Grade 3.0 minimum 10AFU Pastel/Bright/Neon shades Color change: Grade 4.0 minimum Silk: Color change: Grade 3.5 minimum
G	Saliva	DIN 53160-1	Color staining: 4 minimum
G	Chlorine Bleach	AATCC TS-001 / S-1003	Color change: Grade 4.0 minimum Results determine appropriate bleach warning on care label
G	Non-Chlorine Bleach	AATCC TS-001 / S-1004	Color change: Grade 4.0 minimum Results determine appropriate bleach warning on care label
HARDWARE TRIM: ADDITIONAL PERFORMANCE TESTING for young adult/adult product (> size 7) only			
SNAPS, EYELETS, AND RIVETS: (in addition to the testing on page 1):			
Note: Components must be submitted attached to bulk fabric in the same manner as in production			
G	*Attachment Strength (Snaps)	ASTM D7142, Option 2	(Client specific requirement) 17 lbs for 10 seconds
G	*Snapping / Unsnapping Force	ASTM d4846/ s-1045	Minimum 2 lbs Maximum 6 lbs
G	*Resistance to Corrosion (Metal Components)	ASTM B117 (Modified)	Withstand 24 hours in 1% salt spray (fog) with no major corrosion or visual change. Modification = 1% salt (fog) spray.
BUTTONS – (SUBMIT 3 DOZ. EACH COLOR/SIZE):			
Note: Buttons must be submitted attached to bulk fabric in the same manner as in production			
G	*Sublimation (dyed buttons)	AATCC 117 (Mod. S-1056) –(EMSIG METHOD)	Pass / Fail
G	*Attachment Strength (Buttons)	16 CFR 1500	17 lbs for 10 Seconds
METAL BUCKLE, HOOK & EYE and ZIPPER TEETH			
G	*Resistance to Corrosion (Metal Components)	ASTM B117 (Modified)	Withstand 24 hours in 1% salt spray (fog) with no major corrosion or visual change Modification = 1% salt (fog) spray
G	*Hook Pull Out Strength	ASTM D 1683 (Modified)	15 lbs: Modification: Expanded scope to cover component
G	*Hook & Eye Tension	ASTM D1683 (Modified)	30 lbs. Modification: Expanded scope to cover component
ZIPPERS:			
ZIPPER PERFORMANCE:			
G	*Zipper Operability	ASTM D2062	Open/Close strength (5.0 lbs Maximum shall not be accessible without two actions to operate)
G	*Slider Lock Hold	ASTM D2061	15 lbs. Minimum
G	*Single element strength	ASTM D2061	10 lbs. Minimum
G	*Top Stop Strength	ASTM D2061	20 lbs. Minimum
G	*Bottom Stop Pull Off	ASTM D2061	20 lbs. Minimum
G	*Chain Crosswise Strength	ASTM D2061	50 lbs. Minimum

KNIT FABRIC AND GARMENT

F= Fabric / G= Garment

F/G	Evaluation	Method	Requirement
LABELING			
G	Uniform Packaging and Labeling Regulations (Applicable to the Packaging materials)	NIST Uniform Laws and Regulations Handbook 130	Manufacturer, Packer, or Distributor's Name & Address (City, State & Zip)
			Product Identification
			Identification Net quantity of contents shall be expressed in terms of weight or mass, measure, numerical count, or combination so as to give accurate information to facilitate customer comparison (U.S. and metric units)
G	** Country of Origin Markings	19CFR 134	Shall indicate country of origin legibly, permanently, in center back of neck or waist in comparable size and close proximity to any mention of country other than country in which the article was manufactured or produced. Must be visible at point of purchase.
G	Fiber Content	16 CFR 303	Must be visible at Point of Sale (Packaging) and Must comply to regulations (Textile Fibers Identification Act)
G	WPL# (Wool Product Number) or Manufacturing Name (Applicable to wool product only)	16 CFR 300	If listed, report actual. If not listed, verify presence of RN number or name of manufacturer.
G	RN# (Registered Number) or Mfr. Name	16 CFR 303	If listed, report actual (Textile Fiber Products Identification Act)
G	Sewn in Care Label	16 CFR 423	Report Actual
G	Care Instructions	16 CFR 423	Must be Sewn in Permanently and must comply to regulations (Care Labeling Rule)
G	Size	Visual	Verify Presence
PHYSICAL CHARACTERISTICS			
F	Fabric Weight	ASTM D3776	+ / - 5%
F	Fabric count (Density)	ASTM D 3776/3887	As claimed (+ / - 5%) Sheets only: report
F	Fiber Content Blends	AATCC 20 / 20A	Report Actual (3% Maximum tolerance – FTC)
F	Fiber Content Single Fiber	AATCC 20 / 20A	Report Actual (0% Tolerance – FTC)
F	Fiber Content- Document Review for any trademark, recycled, virgin, organic fibers.	Visual Review	Any such claims have to be accompanied with a certificate of proof. Lab will verify presence of document and validity date marked within one year. Client requirement: SGS lab will use a valid certificate/ document to verify the fiber, however, SGS can't verify the claim of any trademark, recycled, virgin, organic fibers via testing.

KNIT FABRIC AND GARMENT

F= Fabric / G= Garment

F/G	Evaluation	Method	Requirement
ANALYTICAL			
F/G	Formaldehyde	See RS Section	
APPEARANCE PROPERTIES			
F&G	General Appearance after Laundering or Dry Cleaning (3 HL/1 HW or 1 DC)	VISUAL / S-1055	No obvious defects/observations affecting the end product performance/appearance, color change/staining, satisfactory performance of the components and tri s. List all observations
G	Defects	VISUAL / ASTM D3990	No Major Defects. Shall demonstrate good, even construction, with no sharp edges, sharp points or discoloration.
F & G	Skewing (Torque)	AATCC 179, Method 1, Option 1	Tops, shorts, 6.0% max. Skirts, Pants and Dresses 4.0%
PERFORMANCE AND PHYSICAL			
F	* Flammability	16 CFR 1610	Class 1, Normal Flammability
F&G	Dimensional Stability (After 3 HL / 1 HW)	AATCC 135/150	Length X Width Predominantly Synthetic: 5.0 x 5.0 Predominantly Cellulosic: 6.0 x 6.0 -Cotton fleece/Waffle: 7.0 x 7.0 Growth: +1%
F&G	**Dimensional Stability (After 1 Dry Clean)	AATCC 158	Shrinkage: -3.0% x -3.0% Growth: +1% maximum
F	Strength (Fabric)	ASTM D3786	If Fabric weight (Oz / sq yd): General Fabrics: <2.4: 25 psi. 2.5 – 4.0: 40 psi. 4.1-6.0: 50 psi >6.0: 60 psi
G	Seam stretchability (knits)	AATCC TS-015	Fabrics <3.5 oz/sq.yard = Minimum 30% Elongation or 6.0lb load Fabrics ≥3.5 oz/sq.yard = Minimum 50% Elongation or 7.0lb load
F	*Stretch and Recovery	ASTM D2594	Growth: 4% max Recovery: <5%: 80% after 1 hour >5%: 90% after 1 hour
F	Pilling Resistance (Random tumble)	ASTM D3512	30 Minutes Minimum grade 4.0
F/G	pH	AATCC 81	All colors: 4.5-8
COLORFASTNESS			
F/G	Crocking	AATCC 8/116	General: 4.0 / 3.0 Dark Colors: 3.5/2.5 Microfiber/peached/Suede: 3.5/2.0
F	Accelerated Laundering/Dry Clean:	AATCC 61/132	Color change: Grade 4.0 minimum Staining: Grade 3.5 minimum Self-staining: Grade 4.5 minimum

KNIT FABRIC AND GARMENT

F= Fabric / G= Garment

F/G	Evaluation	Method	Requirement
G	Home Laundering	AATCC 135/150 (Mod.)/ S-1042 / as per care	Color change: Grade 4.0 minimum Staining: Grade 3.5 minimum Pigment Dyed/Printed or silk: Color change: Grade 3.0 minimum Staining: Grade 3.5 minimum Self-staining: Grade 4.5 minimum (Modification = Adding multifiber to specimen)
G	Actual Dry Clean	As per care	Color change: Grade 4.0 minimum Staining: Grade 3.5 minimum Self-staining: Grade 4.5 minimum
G	Perspiration	AATCC 15	Color change: Grade 4.0 minimum Staining: Grade 3.5 minimum Self-staining: Grade 4.5 minimum
F	*Chlorinated Pool water (Swimwear only)	AATCC 162	Grade 4.0 minimum
F	*Sea Water (Swimwear only)	AATCC 106	Color change: Grade 4.0 minimum Staining: Grade 4.0 minimum Self-staining: Grade 5.0 minimum
F	*Water Resistance (Rainwear/outerwear only)	AATCC 35	2ft / 2 minutes 1.0/g maximum
F	*Water Repellency (Rainwear/outerwear only)	AATCC 22	Original 90 minutes
F	Non-Chlorine Bleach	AATCC TS-001 / S-1004	Color change; Minimum 4.0 Results determine appropriate bleach warning on care label.
F	Chlorine Bleach	AATCC TS-001 / S-1004	Color change: Minimum 4.0 Results determine appropriate bleach warning on care label.
F	Light	AATCC 16 Option 3	20 AFU General: Grade 3.5 min Wool: Color change: Grade 3.0 min 10 AFU Pastel/Bright/Neon shades Color change: Grade 4 min Silk: Color change: Grade 3.5 min
Feather & Down Claims (Original)			
G	*Down & Feather content	ASTM D4524 / IDFB 3	As specified (for labeling, follow the USA (ADA) Textile labeling guidelines for feather & Down) 2-3% tolerance
G	*Down & Feather: Turbidity Cleanliness	IDFB 11	300 mm minimum (US measurement) Hypo-allergenic/Super clean claims: 500 mm minimum
G	*Down & Feather: Oxygen Number	IDFB 7	Less than 10 Hypo-allergenic/Super clean claims: <5
G	*Downproofness	FTM 191 – Method 5530 (modified)	Grade 4 minimum
HARDWARE TRIM: ADDITIONAL PERFORMANCE TESTING for young adult/adult product (> size 7) only			
SNAPS, EYELETS, AND RIVETS: (in addition to the testing on page 1):			
Note: Components must be submitted attached to bulk fabric in the same manner as in production			

KNIT FABRIC AND GARMENT

F= Fabric / G= Garment

F/G	Evaluation	Method	Requirement
G	*Attachment Strength (Snaps)	ASTM D7142, Option 2	(Client specific requirement) 17 lbs for 10 seconds
G	*Snapping / Unsnapping Force	ASTM d4846/ s-1045	Minimum 2 lbs Maximum 6 lbs
G	*Resistance to Corrosion (Metal Components)	ASTM B117 (Modified)	Withstand 24 hours in 1% salt spray (fog) with no major corrosion or visual change. Modification = 1% salt (fog) spray.
BUTTONS – (SUBMIT 3 DOZ. EACH COLOR/SIZE):			
Note: Buttons must be submitted attached to bulk fabric in the same manner as in production			
G	*Sublimation (dyed buttons)	AATCC 117 (Mod. S-1056) – (EMSIG METHOD)	Pass / Fail
G	*Attachment Strength (Buttons)	16 CFR 1500	17 lbs for 10 Seconds
METAL BUCKLE, HOOK & EYE and ZIPPER TEETH			
G	*Resistance to Corrosion (Metal Components)	ASTM B117 (Modified)	Withstand 24 hours in 1% salt spray (fog) with no major corrosion or visual change Modification = 1% salt (fog) spray
G	*Hook Pull Out Strength	ASTM D 1683 (Modified)	15 lbs: Modification: Expanded scope to cover component
G	*Hook & Eye Tension	ASTM D1683 (Modified)	30 lbs. Modification: Expanded scope to cover component
ZIPPERS:			
ZIPPER PERFORMANCE:			
G	*Zipper Operability	ASTM D2062	Open/Close strength (5.0 lbs Maximum shall not be accessible without two actions to operate)
G	*Slider Lock Hold	ASTM D2061	15 lbs. Minimum
G	*Single element strength	ASTM D2061	10 lbs. Minimum
G	*Top Stop Strength	ASTM D2061	20 lbs. Minimum
G	*Bottom Stop Pull Off	ASTM D2061	20 lbs. Minimum
G	*Chain Crosswise Strength	ASTM D2061	50 lbs. Minimum

LEATHER and SUEDE

S= Skin / G= Garment

S/G	Evaluation	Method	Requirement
LABELING			
G	One time Use Products **Fair Packaging and Labeling Act OR All other products ** Uniform Packaging and Labeling Regulations	F.P. & L Act (16 CFR 500) OR NIST Uniform Laws and Regulations Handbook 130	Manufacturer, Packer, or Distributor's Name & Address (City, State & ZIP code)
			Product Identification
			Net quantity of contents shall be expressed in terms of weight or mass, measure, numerical count, or combination so as to give accurate information to facilitate consumer comparisons (U.S. and metric units)
G	Country of Origin Marking	19 CFR 134	Shall indicate country of origin legibly, permanently, in center back of neck or waist in comparable size and close proximity to any mention of country other than country in which the article was manufactured or produced. Must be visible at point of purchase
G	Sewn in Label	16 CFR 423	Report Actual
G	Fiber Content	16 CFR 303	Must be visible at point of sale (packaging) and must comply to regulations (Textile Fibers Identification Act)
G	Care Instructions	16 CFR 423	Must be sewn in permanently and must comply to regulations (Care Labeling Rule)
G	Country of Origin	19 CFR 134.11	Must be present & Must Comply to Regulation
G	RN# (Registered Number) or Mfr. Name	Visual	Verify presence (Textile Fiber Products Identification Act)
ANALYTICAL			
S & G	Formaldehyde	See RS Section	
G	*Lead in Surface Coating (Applicable on all adult's textile and accessories with surface coatings, including prints and decals)	See RS Section	
S	pH	ISO 4045	5-8
FLAMMABILITY			
S	*Flammability	16 CFR 1610	Class 1, Normal Flammability

LEATHER and SUEDE

S=Skin / G=Garment

S/G	Evaluation	Method	Requirement
PHYSICAL CHARACTERISTICS			
S	*Fur (If Applicable)	Microscopic / H-1056	Verification if applicable
S	Leather Identification	Microscopic	Only Top Grain Leather Can Be Called "Genuine" or "Top Grain"
WORKMANSHIP			
S & G	Defects	Visual	No Major Defects, shall demonstrate good, even construction, with no sharp edges, sharp points or discoloration.
S & G	Workmanship	Visual	Shall have no components missing. Shall function as intended
PERFORMANCE			
S & G	**General Appearance after laundering or Profession Leather Cleaning (3 HL or 1 Profession LC)	VISUAL / S-1055	No obvious defects/observations affecting the end product performance/appearance, color change/staining, satisfactory performance of the components and trims. List all observations. Provide detailed explanation of the failure
S & G	Dimensional Stability (1 Professional Leather Clean	Professional Leather Cleaning Method	Maximum (Length x Width) ±2% x ±2% Maximum
S	Leather Tensile Strength	ASTM D2208	25 lbs/in Minimum
S	Taber Abrasion	ASTM D3884	500 cycles
COLORFASTNESS			
S & G	Professional Leather Cleaning (Shell & Lining)	Professional Method	Color change; Grade 4 minimum Staining: Grade 4 minimum Self-staining: Grade 4.5 minimum
S & G	Actual Laundering (After 3 HL/1 HW) if claimed washable) (Shell and Lining)	AATCC 135 / 150 (Mod.)/ S-1042 as per care	Color change: Grade 4 minimum Staining: Grade 4 minimum Self-staining: Grade 4.5 minimum Modification = Adding multi-fiber to specimen)
S	Crocking (Shell & Lining)	AATCC 8 / 116	Test both face and back Dry: Grade 3 Minimum Wet: Grade 2 Minimum
S	Light (Shell Only)	AATCC 16, Option 3	Grade 3.5 minimum @ 20 hours
HARDWARE TRIM: ADDITIONAL PERFORMANCE TESTING for young adult/adult product (> size 7) only			
SNAPS, EYELETS, AND RIVETS: (in addition to the testing on page 1):			
Note: Components must be submitted attached to bulk fabric in the same manner as in production			
G	*Attachment Strength (Snaps)	ASTM D7142, Option 2	(Client specific requirement) 17 lbs for 10 seconds
G	*Snapping / Unsnapping Force	ASTM d4846/ s-1045	Minimum 2 lbs Maximum 6 lbs
G	*Resistance to Corrosion (Metal Components)	ASTM B117 (Modified)	Withstand 24 hours in 1% salt spray (fog) with no major corrosion or visual change. Modification = 1% salt (fog) spray.

LEATHER and SUEDE

S= Skin / G=Garment

S/G	Evaluation	Method	Requirement
BUTTONS – (SUBMIT 3 DOZ. EACH COLOR/SIZE):			
Note: Buttons must be submitted attached to bulk fabric in the same manner as in production			
G	*Sublimation (dyed buttons)	AATCC 117 (Mod. S-1056) – (EMSIG METHOD)	Pass / Fail
G	*Attachment Strength (Buttons)	16 CFR 1500	17 lbs for 10 Seconds
METAL BUCKLE, HOOK & EYE and ZIPPER TEETH			
G	*Resistance to Corrosion (Metal Components)	ASTM B117 (Modified)	Withstand 24 hours in 1% salt spray (fog) with no major corrosion or visual change Modification = 1% salt (fog) spray
G	*Hook Pull Out Strength	ASTM D 1683 (Modified)	15 lbs: Modification: Expanded scope to cover component
G	*Hook & Eye Tension	ASTM D1683 (Modified)	30 lbs. Modification: Expanded scope to cover component
ZIPPERS:			
ZIPPER PERFORMANCE:			
G	*Zipper Operability	ASTM D2062	Open/Close strength (5.0 lbs Maximum shall not be accessible without two actions to operate)
G	*Slider Lock Hold	ASTM D2061	15 lbs. Minimum
G	*Single element strength	ASTM D2061	10 lbs. Minimum
G	*Top Stop Strength	ASTM D2061	20 lbs. Minimum
G	*Bottom Stop Pull Off	ASTM D2061	20 lbs. Minimum
G	*Chain Crosswise Strength	ASTM D2061	50 lbs. Minimum

Key: * Additional Charge for This Test

LINING (Woven and Knits)

F= Fabric / G= Garment

F/G	Evaluation	Method	Requirement
PHYSICAL CHARACTERISTICS			
F	Fabric Weight	ASTM D3776	+ / - 5%
F	Fabric Count	ASTM D3776/3887	As Claimed (+/-5%) Sheets Only: report
F	*Fiber Content ** Blends	ATTCC 20 / 20A	Report Actual (3% Maximum tolerance – FTC)
F	*Fiber Content** Single Fiber	AATCC 20 / 20A	Report Actual (0% Tolerance - FTC)
F	Fiber Content- Document Review for any trademark, recycled, virgin, organic fibers.	Visual Review	Any such claims have to be accompanied with a certificate of proof. Lab will verify presence of document and validity date marked within one year. Client requirement: SGS lab will use a valid certificate/ document to verify the fiber, however, SGS can't verify the claim of any trademark, recycled, virgin, organic fibers via testing.
ANALYTICAL			
F & G	Formaldehyde	See RS Section	
APPEARANCE PROPERTIES			
F&G	**General Appearance after Laundering or Dry Cleaning (3 HL / 1 HW or 1 DC)	VISUAL / S-1055	No obvious defects/observations affecting the end product performance/appearance, color change/staining, satisfactory performance of the components and trims. List all observations.
PERFORMANCE			
F	*Flammability	16 CFR 1610	Class 1, Normal Flammability
F&G	Dimensional Stability (3 HL / 1 HW or 1 DC)	AATCC 135 /150 OR 158	Length x Width (% Max) Base Fabric/General: 3.0 x 3.0
F	Tensile strength (Length & Width, lb/in Minimum (Woven Only)	ASTM D5034	15 lbs. minimum
F	Seam Slippage (Woven Only)	ASTM D434	15 lb. (Top) 20 lb. (Bottom)
F	Tear Strength (Length & Width, lb. minimum) (woven only)	ASTM D1424	1.5 lbs. minimum
F	Bursting Strength (Knit Only)	ASTM 3786	25 PSI Minimum
COLORFASTNESS			
F	**Crocking	AATCC 8 / 116	General: 4.0/3.0 Dark Color: 3.5/2.5 Microfiber/peached/Suede: 3.5/2.0
F	**Accelerated Laundering	AATCC 61	Color change: Grade 4 minimum Staining: Grade 3.0 minimum Self-staining: Grade 4.5. minimum
G	**Actual Laundering (After 3 HL/1 HW)	AATCC 135 / 150 (Mod.) / S-1042 Per care	Color change: Grade 4 minimum Staining: Grade 3.5 minimum Self staining: grade 4.5 minimum Modification = Adding micro-fiber to specimen

LINING (Woven and Knits)

F=Fabric / G= Garment

F/G	Evaluation	Method	Requirement
F	**Dry Cleaning	AATCC 132	Women's: Color change: Grade 4 minimum Staining: Grade 3.5 minimum Self-staining: Grade 4.5 minimum Men's: Color change: Grade 4 minimum Staining: Grade 3.5 minimum Self-staining: grade 4.5 minimum
F	**Commercial Dry Clean	As Per Care	Color change: Grade 4 minimum Self-staining; Grader 4.5 minimum
F	**Chlorine Bleach	AATCC TS-001 / S-1003	Color Change: Minimum 4.0 Results determine appropriate bleach warning on care label
F	**Non-Chlorine Bleach	AATCC TS-001 / S-1003	Color Change; Minimum 4.0 Results determine appropriate bleach warning on care label
F	Perspiration	AATCC 15	Women's: Color change; Grade 4.0 minimum Staining: Grade 3.5 minimum Men's: Color Change: Grade 4.0 minimum Staining: Grade 3.5 minimum

China Standard - GB 18401

Requirement		Type B	Type C
Formaldehyde (mg/kg) GB/T 2912.1		<75	<300
pH GB/T 7573		4.0-8.5	4.0-9.0
	water resistance GB/T 5713 (C/C, C/S)	3	3
	Acid/alkaline sweat resistance GB/T 3922/ GB/T 3922 (C/C, C/S)	3	3
	Colorfastness Dry rubbing resistance GB/T 3920	3	3
Odor GB 18401 6.7		Odorless	
Decomposable carcinogenic aromatic amine dyes Textile : GB/T 17592-2006 Leather: GB/T 19942 Polyester: GB/T 17592-2006 (4-aminoazobenzene) Textile: GB/T 23344 (China)		Banned	

Category B: Products with direct skin contact
 Category C: Products without direct skin contact

PERSONAL CARRYING ITEMS – Handbag, Totes, Luggage, Wallet, etc

Evaluation	Requirement	Method
FABRIC QUALITIES		
Thickness – Vinyl / Leather	As specified (+/- 5%)	ASTM D 1777 ASTM D 1813
Weight – Fabric / Leather	As specified (+/- 5%)	ASTM D 3775 ASTM D 2346
Fiber Content	Single Fiber: 100%, no tolerance Blends: 3% maximum tolerance	AATCC 20/20A
Leather/ Material Content	As contracted	FTIR / Microscopic
Restricted Substances	See restricted substances standard	
Defects	No defects present	Visual
COLORFASTNESS		
Colorfastness After Care	Color Change: Grade 4 Staining: Grade 3 Self-Staining: Grade 5	AATCC 150, 158, Spot Clean
Colorfastness to Crocking	Leather: Dry – Grade 3; Wet – Gr. 2 Denim: Dry – Grade 3; Wet – Gr. 2 Vinyl: Dry – Gr. 4; Wet – Gr. 3 Fabric: Dry – Gr. 4; Wet – Gr. 3 Lining: Dry – Gr. 4; Wet – Gr. 3	AATCC 8
Colorfastness to Water	Color Change: Grade 4 Staining: Grade 3	AATCC 107
Light		AATCC 16 Option 3
	Grade 4	20 Hours
STRENGTH PROPERTIES		
Tensile Strength – Fabric & Vinyl	Shell (fabric): 40 lbs minimum Shell (vinyl): 25 lbs minimum Lining: 20 lbs minimum (excluding mesh fabric material)	ASTM D 5034
Tensile Strength – Leather	40 lbs minimum	ASTM D 2209
Tear Strength (Upper Surface of Main Shell; Back Shell; Bottom Shell; Major Outer Materials Only)	Fabric and vinyl materials: 6 lbs minimum (including shoulder strap)	ASTM D1424
Bursting Strength (Mesh Shell/Pocket/ Lining Only)	Min. 35 psi	ASTM D3786
Seam Strength – Woven	25 lbs	ASTM D1683
Seam Bursting Strength – Knit	35 psi	ASTM D 3786
Handle & Shoulder Strap Strength	30 lbs minimum	ASTM D1683 reference
Abrasion Resistance - Fabric & Leather	Fabric 500 cycles/Leather 200 cycles- no removal of upper surface of main shell/back shell/bottom shell/ major outer materials (including shoulder straps)	ASTM D3886

PERSONAL CARRYING ITEMS – Handbag, Totes, Luggage, Wallet, etc

Evaluation	Requirement	Method
Abrasion Resistance - Vinyl/Polymeric	2,000 cycles - no removal of upper surface of main shell/back shell/bottom shell/major outer materials (including shoulder straps)	ASTM D3886
Attachment Strength of Components	Must not detach: 15 lbs tension / 10 seconds	ASTM D7142/ ASTM F963 reference
Zipper Strength	See Zipper Performance Standard for requirements. Test for: Crosswise Strength of Chain, Tab Pull-Off, Top Stop Holding, Bottom Stop Holding	ASTM D 2061/ 2062
Drop Test – Luggage	No breakage after drop from the height of 1M on the flat concrete under fully loaded.	In House Method
Durability Test of Casters	No transformation & slackness after apply the luggage set on running M/C at the 10 Km/hrs for 15 minutes	In House Method
Corrosion Resistance	1% salt spray for 24 hours. No corrosion of finish or any discoloration.	In-House Method
Lead. Phthalates (as applicable per request)	See RS Section	

Recommended Regulatory Requirements for Restricted Substance

Test Items	Test Methods	Reference for Restriction	Recommended Maximum Limit
Lead in Substrate	Method (non-metallic materials): CPSC Test Method: CPSC-CH-E1002-08.3 'Standard Operation 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 (Including Children's Metal Jewelry)'	California Proposition 65/ CPSIA	Below Recommended limits by Product*: <u>Clothing (made of PVC, Neoprene, & / or Plastic materials), Gloves:</u> ≤ 30 ppm lead in fabric of products <u>Belts</u> <u>(Any Component & Any Material):</u> 50ppm <u>All other products:</u> 90 ppm * Based on Previous Settlements
Lead in Surface Coating	CPSC-CH-E1003-09 'Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings'	California Proposition 65/ CPSIA	Recommended limit *: <u>Belts:</u> 50ppm <u>All other products:</u> 90 ppm * Based on Previous Settlements
Cadmium	EN1122	California Proposition 65	Halloween Costumes - Soluble Cadmium ≤ 75 ppm <u>Adult: 75ppm</u> <u>Jewelry:</u> ≤ 300 ppm Cadmium Exemption - Cubic zirconia (cubic zirconium, CZ), glass, rhinestones or vitrified ceramic
		Washington State CHCC-Children's only	40 mg/kg
		REACH	100 mg/kg
Chromium (VI)	ISO 17075	Regional Regulations: Germany South Korea	3 mg/kg
Phthalates	CPSC-CH-C1001-09.3	California Proposition 65	Adults: DEHP, BBP, DBP, DIDP, DnHP, DINP – 1000 ppm each
		California Proposition 65, Washington State CHCC, CPSIA	Children's: BBP, DBP, DEHP, DINP, DIDP, DNOP = 0.1% max Total DCHP, DIBP, DnHP/DHEXP, DPP/DPENP = = 0.1% max each individual
Formaldehyde	Textiles: ISO 14184-1 or JIS L1041 (Japan) GB/T 2912.1- 2006 (China) Leather: ISO/FDIS 17226-1 (by HPLC method) / ISO/FDIS 17226-2 (by UV method) KS M ISO 17075 (Korea) GB/T 19941 (China)	California Proposition 65 Regional Regulations: The Netherlands, Austria, Germany, Lithuania South Korea China Japan	Items with direct skin contact – 75 ppm Items without direct skin contact – 300 ppm
pH Value	Textile: GB/T 7573 Leather: ISO 4045	China GB18401	<ul style="list-style-type: none"> Items with direct skin contact: 4.0 - 8.5 Items without direct skin contact: 4.0 - 9.0
	KS K ISO 3071	South Korea: Self Regulatory Safety Confirmation Act Annex 4	4.0 - 7.5
		Safety Quality Mark Act (Annex 1 Textile Products)	4.0 - 9.0 (Outerwear & Beddings)
Brominated Flame retardants [8 items- TDCPP, PBB, TRIS, TEPA, PentaBDE, OctaBDE, Deca BDE, Bis (2,3 dibromopropyl) phosphate] (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)	States Legislation: Washington, Maine, California REACH Japan, South Korea	Use Ban [detection limit = 5 mg/kg (each)]

Azo Dyes	Textile : EN 14362-1 GB/T 17592-2006 (China) Leather: ISO 17234-1 GB/T 19942 (China) Polyester: EN 14362-1 GB/T 17592-2006 (China) (4-aminoazobenzene) Textile: LFGB § 64 BVL B 82.02.9 GB/T 23344 (China) Leather: ISO/DIS 17234-2	REACH South Korea China	30 mg/kg Textile: 20 mg/kg, Leather: 30 mg/kg
Disperse Dyes	DIN 54231	Regional regulations: Germany	Not detected (5 mg/L)
		South Korea	Not detected* (1 mg/L) *Applicable to babywear, childrenwear and adult underwear
Nickel release	Coated item: EN 12472 & EN 1811; Non-coated item: EN 1811	REACH	For metal materials with direct and prolonged contact with skin: 0.5 µg/cm ² /week (Non-body piercing) 0.2 µg/cm ² /week (Body piercing)
Perfluoroalkyl and polyfluoroalkyl substances (PFAS) (required if sample declared with functional finishing – e.g. grease, stain and water repellence)	Total Organic Fluorine Screening- With reference to EN 14582:2016 with aqueous solution pretreatment. Analysis was performed by Ion Chromatography. PFAS Testing- With reference to EN ISO 23702-1:2018, EN 17681-1:2022 and EN 17681-2:2022. Analysis was conducted by HPLC-MS/MS and GC-MS	Global- All Markets	Total Organic Fluorine Screening: 50ppm Regulation: 100 ppm (by 2025), 50 ppm (starting 2027) & PFAS Analyte Testing per latest SGS List (global; inclusive of EU list): PFOS, its salts and related compounds: 1 µg/m ² (each) PFOA, its salts: 0.025 mg/kg PFOA-related compounds: 1 mg/kg (sum) C9-C14 PFCA, their salts: 0.025 mg/kg (sum) C9-C14 PFCA-related substances: 0.26 mg/kg (sum) PFHxS; its salts: 0.025 mg/kg PFHxS-related compounds: 1 mg/kg (sum)
Organotin Compounds	BS ISO 17353, GC-MS analysis	EU Decision 2009/425/EC	0.1% of TBT, TPhT, DBT and DOT by wt. of tin
	KS K 0737	Japan South Korea	TBT, TPhT - Not Detected (0.5 mg/kg each) TBT – 0.5mg/kg baby clothing (less than 36 months) DBT - 1.0mg/kg in baby clothing (less than 36 months)
Dimethyl fumarate	GC-MS	REACH	≤ 0.1mg/kg
	Self-Regulatory Safety Confirmation Standard Annex 4	South Korea	
Chlorinated phenols (PCP)	ISO 17070 (Leather)/LFGB § 64 BVL B82.02.8 (Textile/Leather)	Regional Regulations: Germany	5mg/kg
	KS K 0733 (Textile/Leather) Modified § 64 LFGB, BVL, B 82.02.8 with alkaline digestion (polyester/polyester-blend/printed fabric)	South Korea	5mg/kg (Fur, hide and natural leather) 0.5mg/kg (Artificial leather)
Nonylphenol and nonylphenol ethoxylates	In-house method Methanol Extraction HPLC-MS	European Union REACH Regulation (EC) No 1907/2006 Annex XVII	0.1% w/w (in mixtures & preparation) Ban on the use of NP and NPEO in the EU for textile processing
Pesticides	USEPA Method 8081B, 3620B, 3630C (Refer to Annex I), GC-MS, GC-ECD, GC-NPD & HPLC-DAD-MSD analysis	Regional regulations: Finland and Switzerland Japan, South Korea	Not detected
Bisphenol-A (BPA) (Polyester/ Spandex fabrics only)	Extraction: 1 g sample/20 ml THF, sonication for 60 minutes at 60 degrees C, analysis with LC/MS	US	1 mg/kg (socks and others) 10 ppb (0.01 mg/kg) (athletic shirts)
Bisphenol-S (BPS)			1 mg/kg
SVHC Candidate List Substances	Various	REACH	0.1% per total weight of article (disclosure requirement)

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