PROTOCOL # 1203-V

Footwear Materials Tier 2

Performance Test	Test Method	Samples	Test Principle/Requirements			Rating (Section or exec. Summary which failed items can be referenced)
UPPER MATERIAL						
PERFORMANCE UPPER (LEATHER) U1						
			HEAVY	**MEDIUM**	**LIGHT**	
Rub Fastness (GSR) Dry:256 rubs Wet:128 rubs	SATRA TM8	4 x A4 paper size (210 mm x 297mm)	3.0 (dry) 3.0 (wet)	3.0 (dry) 2.0 (wet)		
Flexing Endurance of Finish (not worse than slight cracking after no. of flexes)	SATRA TM25		100,000 (room temp) 50,000 (-5°C)	50,000 (room temp) 50,000 (-5°C) See Note 1		
			20,000 (-20°C, upper for snow boots only)			
*Coating Adhesion (lbs/inch)	SATRA TM410		Coated leather: Min. 10.0 (Dry) Min. 8.5 (Wet)			
Tear strength	SATRA TM162		Min.22 lbs #			
*Water Resistance (if claimed)	SATRA TM34 (Maeser)		Water resistant : Min. 12,000 flexes with no water penetration			
*Taber Abrasion Resistance (not worse than slight damage after no. of revolutions)	SATRA TM163		Full grain leather: Min. 100 (H-18) Coated split leather: Min. 200 (H-18) (Applicable to athletic/sports footwear only)			
*Color Fastness to Light	AATCC 16 Option 3 20AFU		Class 4.0 Min. (Applicable to athletic/sports footwear only)			
Water Repellent (Water Repellency – if claimed)	AATCC22 Mod	3- 8in x 8 in samples	Rating 90			
PERFORMANCE (Coated Fabric & Poromeric Materials) U2						
Breaking Load (lbs./inch width)	SATRA TM29	4 x A4 paper size (210 mm x 297mm	57		40	
Extension at Break (%)	SATRA TM29		7 (tighter direction) 10 (stretcher direction)			
Tear Strength (lbs)	SATRA TM30		10	8	6	
*Coating Adhesion (lbs/inch)	SATRA TM410		Min.8.5(Dry); Min.7.0(Wet)			
Flexing Endurance (not worse than slight cracking after no. of flexes)	SATRA TM25		100,000 (room temp) 50,000 (-5°C)	50,000 (room temp) 25,000 (-5°C)	40,000 (room temp) No cold flex (-5°C)	
			20,000 (-20°C, for snow boots only)			
Abrasion Resistance of Outer Face (not worse than moderate wear after no. of revolutions)	SATRA TM31-Martindale		51,200 (dry) 12,800 (wet)	25,600 (dry) 6,400 (wet)	12,800 (dry) 3,200 (wet)	
Rub Fastness (GSR)	SATRA TM167		4.0 Dry & 3.5 Wet			
*Taber Abrasion Resistance (not worse than slight damage after no. of revolutions)	SATRA TM163		Min. 150 (H-18) (Applicable to athletic/sports footwear only)			
*Color Fastness to Light	AATCC 16 Option 3 20AFU		Class 4.0 Min. (Applicable to athletic/sports footwear only)			
Water Repellent (Water Repellency – if claimed)	AATCC22 Mod	3- 8in x 8 in samples	Rating 90			
Note 1: Upper material for summer sandals, slippers, thongs and other open-toed footwear is exempt from cold flex test. Carry out Flexing Endurance at room temperature only.						
PERFORMANCE (Fabric Materials) U3						
Breaking Load (lbs./Inch width)	SATRA TM29	4 x A4 paper size (210mm x 297mm)	57		40	
Extension at Break (%)	SATRA TM29		7 (tighter direction) 15 (stretcher direction)			
Abrasion Resistance (not worse than moderate wear after the no. of revolutions)	SATRA TM31-Martindale		51,200 (dry) 12,800 (wet)	25,600 (dry) 6,400 (wet)	12,800 (dry) 3,200 (wet)	
Rub Fastness (GSR)	SATRA TM167		4.0 Dry & 3.5 Wet			
*Color Fastness to Light	AATCC 16 Option 3 20AFU		Class 4.0 Min (Applicable to athletic/sports footwear only			
*Phenolic Yellowing	ISO 105 - X18		Change in shade: Class 4.5 Min. (Applicable to athletic/sports footwear only, Exempt Black Textile)			
Fiber Shedding or Pile Loss (applicable to fur/faux fur and long pile fabrics)	SATRA TM 227		Min 3.0 Shedding			
Water Repellent (Water Repellency – if claimed)	AATCC22 Mod		Rating 90			
PERFORMANCE (Lace & Satin Fabric Materials) U4						
Breaking Load (lbs./Inch width)	SATRA TM29	4 x A4 paper size (210mm x 297mm)	30			
Extension at Break (%)	SATRA TM29		7 (tighter direction) 15 (stretcher direction)			
Abrasion Resistance (not worse than moderate wear after the no. of revolutions)	SATRA TM31-Martindale		4,000 (dry) 1,200 (wet)			
Rub Fastness (GSR)	SATRA TM167		4.0 (dry) 3.5 (wet)			
Water Repellent (Water Repellency – if claimed)	AATCC22 Mod	3- 8in x 8 in samples	Rating 90			
PERFORMANCE (Rubber & Polymeric Materials) U5						
Flexing Endurance (not worse than slight cracking after no. of flexes)	SATRA TM25	4 x A4 Paper Size (210mm x 297mm)	100,000 (room temp 50,000 (-5°C)	50000 (room temp) 25,000 (-5°C)	30000 (room temp) No Cold Flex (-5°C)	
			20,000 (-20°C, for snow boots only)			
Rub Fastness (GSR)	SATRA TM167		3.0 Dry & Wet			
Water Repellent (Water Repellency – if claimed)	AATCC22 Mod	3- 8in x 8 in samples	Rating 90			
LINING						
PERFORMANCE (Leather) L1						
Perspiration Fastness (grain) (GSR)	SATRA TM335		3.0			

Abrasion Resistance (not worse than moderate wear after no. of revolutions)	SATRA TM31-Martindale	4 x A4 paper size (210mm x 297mm)	Vamp: Dry: 25,600 Wet: 6,400 Counter: Dry: 38,400 Wet: 9,600	Vamp: Dry: 12,800 Wet: Exempt Counter: Dry: 25,600 Wet: 6,400	Vamp: Dry: 12,800 Wet: Exempt Counter: Dry: 12,800 Exempt	
Rub Fastness Dry: 256 rubs Wet:128 rubs	SATRA TM8		3.0 (Dry) 2.5 (Wet)			
PERFORMANCE (Textile and Coated Fabric Materials) L2						
Breaking Strength (lbs./inch)	SATRA TM29	4 x A4 paper size (210mm x 297mm)	Min. 14lbs			
Abrasion Resistance (not worse than moderate wear after no. of revolutions)	SATRA TM31-Martindale		Dry: 25,600 Wet: 6,400	Dry: 12,800 Wet: Exempt	Dry: 9,600 Wet: Exempt	
Flexing Endurance (not worse than slight cracking or slight damage after no. of flexes) (Coated Fabric Materials)	SATRA TM25		100,000 (room temp)	50,000 (room temp)	25,000 (room temp)	
Perspiration Fastness (grain) (GSR)	SATRA TM335		3.5			
Rub Fastness (GSR)	SATRA TM167		4.0(dry) 3.5 (wet)			
*Phenolic Yellowing (Textile only)	ISO 105 – X18		Change in shade: Class 4.5 Min. (Applicable to athletics/sports footwear only, Exempt Black Textile)			
PERFORMANCE (Lace & Satin Fabric Materials) L3						
Abrasion Resistance (not worse than moderate wear after the no. of revolutions)	SATRA TM31 - Martindale	4 x A4 paper size (210mm x 297mm)	3,000 (dry)			
Rub Fastness (GSR)	SATRA TM167		3(dry) 3 (wet)			
Perspiration Fastness (GSR)	SATRA TM335		3			
SOLING						
PERFORMANCE (Solid PVC) S1						
Hardness (Shore A)	SATRA TM205	2 pairs	Soft 50-63, Medium 64-72, Hard 73-77			
Slip Resistance (Coefficient of friction)	SATRA TM144		Min. 0.40 (Dry) Min. 0.30 (wet)			
Flexing Endurance –Tested at -5° C after 150,000 cycle (mm per kc cut growth)	SATRA TM60		<5 mm thick: Max.1.5 5-10 mm thick: Max. 0.5 10-15 mm thick: Max. 0.1 > 15mm: Max.0.02			
Sole Wearing Resistance (Volume Loss)	SATRA TM174		Soft & Medium: ≤300 mm3 Hard: ≤250 mm3			
PERFORMANCE (Microcellular Rubber) S2						
Hardness (Shore A)	SATRA TM205	2 pairs	Min. 36			
Slip Resistance (Coefficient of friction)	SATRA TM144		Min. 0.40 (Dry) Min. 0.30 (Wet)			
Flexing Endurance –Tested at -5° C after 150,000 cycle (mm per kc cut growth)	SATRA TM60		Max. 0.04			
Sole Wearing Resistance (Volume Loss)	SATRA TM174		≤400 mm3			
PERFORMANCE (Resin Rubber) S3						
Hardness (Shore A)	SATRA TM205	2 pairs	78-86			
Slip Resistance (Coefficient of friction)	SATRA TM144		Min. 0.40 (Dry) Min. 0.30 (Wet)			
Flexing Endurance – Tested at -5° C after 150,000 cycle (mm per kc cut growth)	SATRA TM60		Men: Max. 0.1 Women: Max. 0.05 Women: Max. 0.1 (heel height > 5 cm)			
Sole Wearing Resistance (Volume Loss)	SATRA TM174		≤300 mm3			
PERFORMANCE (Solid Vulcanized Rubber) S4						
Hardness (Shore A)	SATRA TM205	2 pairs	46-84			
Slip Resistance (Coefficient of friction)	SATRA TM144		Min. 0.40 (Dry) Min. 0.30 (Wet0			
Flexing Endurance –Tested at -5° C after 150,000 cycle (mm per kc cut growth)	SATRA TM60		Max. 0.1			
Sole Wearing Resistance (Volume Loss)	SATRA TM174		≤200 mm3			
PERFORMANCE (High and Low Density EVA) S5						
Hardness (Shore A)	SATRA TM205	2 pairs	Low density (<0.45 g/cm3): 19-50 High density (≥0.45 g/cm3): 55-82			
Slip Resistance (Coefficient of friction)	SATRA TM144		Min. 0.40 (Dry) Min. 0.30 (Wet)			
Flexing Endurance –Tested at -5° C after 150,000 cycle (mm per kc cut growth)	SATRA TM60		Low density: Max. 0.04 High density: Max. 0.1			
Sole Wearing Resistance (Volume Loss)	SATRA TM174		Low density: ≤ 700 mm3 High density: ≤ 200 mm3 Note: Measure volume loss at an abrasion distance of 20 m.			
PERFORMANCE (Thermoplastic Rubber) S6						
Hardness (Shore A)	SATRA TM205	2 pairs	Soft grade: 43-51 Medium grade: 52-59 Hard grade: 60-76			
Slip Resistance (Coefficient of friction)	SATRA TM144		Min. 0.40 (Dry) Min. 0.30 (Wet)			
Flexing Endurance –Tested at -5° C after 150,000 cycle (mm per kc cut growth)	SATRA TM60		Up to 15 mm thick: Max. 0.5 > 15 mm thick: Max. 0.1			
Sole Wearing Resistance (Volume Loss)	SATRA TM174		≤300 mm3			
PERFORMANCE (Polyurethane – Single & Dual Density) S7						
Hardness (Shore A)	SATRA TM205	2 pairs	15-30(Skin-off) 50-70 (Skin-on)			
Slip Resistance (Coefficient of friction)	SATRA TM144		Min. 0.40 (Dry) Min. 0.30 (wet)			
Flexing Endurance –Tested at -5° C after 150,000 cycle (mm per kc cut growth)	SATRA TM60		Max. 0.005			

Sole Wearing Resistance (Volume Loss)	SATRA TM174		≤250 mm3	
PERFORMANCE (Sole Leather – Vegetable Tanned) S8				
Grain Crack (Index)	SATRA TM48	2 pairs	Vegetable Tanned :Min. 16	
Slip Resistance (Coefficient of friction)	SATRA TM144		Min. 0.30 (Dry) Min. 0.30 (Wet)	
Sole Wearing Resistance	SATRA TM174		≤350 mm3	
PERFORMANCE (Outsole of Athletic/Sports Footwear) S9				
Tensile Strength (lbs./sq. inch)	SATRA TM137	2 x A4 paper size (210mm x 297mm)	Rubber: Min. 1,400 Microcellular rubber: Min. 560 Solid Plastic(including solid PU,PVC ,TPU): Min. 2,000 Flexible Plastic(including TPR, foam TPU, foam PU, foam PVC): Not applicable EVA(low density)or phylon: Not applicable	
Extension at Break (%)	SATRA TM137		Rubber: Min. 300 Microcellular rubber: Min. 250 Solid Plastic(including solid PU,PVC ,TPU): Min. 300 Flexible Plastic(including TPR, foam TPU, foam PU, foam PVC): Not applicable EVA(low density)or phylon: Not applicable	
Tearing Strength (lbs./inch)	SATRA TM218		Rubber: Min. 55 Microcellular rubber: Min. 40 Plastics: Not applicable EVA or Phylon: Not applicable	
Flexing Endurance –Tested at -5° C after 150,000 cycle (mm per kc cut growth)	SATRA TM60		Max. 0.03	
Hardness	SATRA TM205		Rubber: 56-75 (Shore A) Microcellular rubber: Min. 36 (Shore A) Solid Plastic(including solid PU,PVC ,TPU): 55-76 (Shore D) Flexible Plastic(including TPR, foam TPU, foam PU, foam PVC): 45-75 (Shore A) EVA(low density)or phylon: 50-76 (Type OO)	
Slip Resistance (Coefficient of friction)	SATRA TM144		Min. 0.50 (Dry) Min. 0.40 (Wet)	
Sole Wearing Resistance (Volume Loss)	SATRA TM174		Rubber: ≤200 mm3 Microcellular rubber: ≤300 mm3 Solid Plastic(including solid PU,PVC ,TPU): ≤150 mm3 Flexible Plastic(including TPR, foam TPU, foam PU, foam PVC): ≤250 mm3 EVA(low density)or phylon: ≤500 mm3 EVA(high density) ≤110mm3	
PERFORMANCE (Midsole of Athletic/Sports Footwear) S10				
Hardness (Type OO)	SATRA TM205	2 pairs	45-65	
Compression Set	SATRA TM64		PU phylon: Max. 15% after 22hrs@23°C EVA phylon: Max. 30% after 6 hrs@45°C	
Split Tear Strength (lbs./inch)	SATRA TM65		Min. 15	
PERFORMANCE (Snow Boots) S11				
Flexing Endurance – Ross Flex (Tested at – 20° C)	SATRA TM60	2 pairs	Max. 6 mm cut growth (after 20,000 cycles)	
PERFORMANCE (Polycarbonate-Urethane) S12				
Hardness (Shore A)	SATRA TM205	2 pairs	Soft grade 52-59 Medium grade: 60-69 Hard grade: 70-77	
Slip Resistance (Coefficient of friction)	SATRA TM144		Min. 0.40 (Dry) Mi. 0.30 (Wet)	
Flexing Endurance –Tested at -5° C after 150,000 cycle (mm per kc cut growth)	SATRA TM60		Up to 15 mm thick: Max. 1.0 >15 mm: Max. 0.5	
Sole Wearing Resistance (Volume Loss)	SATRA TM174		≤250 mm3	
PERFORMANCE (Thermoplastic Polyurethane) S13				
Hardness	SATRA TM205	2 pairs	Soft grade 70-90 (Shore A) Medium grade: 46-54 (Shore D)	
Slip Resistance (Coefficient of friction)	SATRA TM144		Min. 0.40 (Dry) Min. 0.30 (Wet)	
Flexing Endurance –Tested at -5° C after 150,000 cycle (mm per kc cut growth)	SATRA TM60		Up to 15 mm thick: Max. 0.5 > 15 mm thick: Max. 0.1	
Sole Wearing Resistance (Volume Loss)	SATRA TM174		≤250 mm3	
COMPONENTS				
PERFORMANCE (Hook and Loop/Velcro) C2				
*Shear Strength	SATRA TM123	3 Samples	(Original) : 10.0 lbs./in ² After 5000 cycles : 8.0 lbs./in ²	
*Peel Strength	SATRA TM123	3 Samples	Original: 0.4 lbs/in. After 5000 cycles: 0.3 lbs./in	
PERFORMANCE (Elastic) C1				
*Resistance of elastics to repeated extension	SATRA TM103	2 Samples	Initial: Max. 10% Rubber thread breakage after 10,000cycles.	
PERFORMANCE (Top piece) C3				
*Hardness	SATRA TM205	3 pairs	PU/TPU/PVC: Wide < 10mm: 60-70 Shore D Wide ≥ 10mm: 40-50 Shore D Rubber/TPR: With heel block: Min. 86 Shore A Without heel block: Min. 73 Shore A	
Slip Resistance (Coefficient of friction)	SATRA TM144		Min. 0.30 (Dry) Min. 0.30 (Wet) (Width <10mm): Exempt	
*Sole Wearing Resistance (Volume Loss)	SATRA TM174		<10mm wide: Max.40mm3 10-25mm wide: Max.100mm3 >25mm wide: Max.350mm3	
PERFORMANCE (Zipper) C4				
*Lateral Strength of Slider	SATRA TM51	2 Samples	Min. 50 lbs.	
*Puller Attachment Strength	SATRA TM52	2 Samples	Min. 20 lbs.	
*Puller Torque Strength (Applicable to infant, pre- walk and children's shoes up to size 13 only)	ASTM D2061	2 Samples	Min. 4 in-lbs.	
PERFORMANCE (Slender Heels) C5 (Applicable for heel height greater than 50mm, and the heel with 30mm across or less in all directions)				
*Fatigue test for shoe heel	SATRA TM21	3 Samples	No damage or bending after 14,000 cycles	
*Lateral impact test for shoe heels	SATRA TM20	3 Samples	No bending or cracking after 5 impacts of 4 ft- lbs.	
TEXTILE: UPPER/LINING & SOCK/OUTSOLE				

FUR AND FAUX FUR T1				
*Fur Identification	AATCC 20	1 Sample	Fiber examination by microscopic method	
*Fiber Content	AATCC 20/20A	1 Sample	Single fiber only: no tolerance 2 or more fibers blend: ± 3% max.	
RESTRICTED SUBSTANCES				
*Formaldehyde (Applicable to skin contact areas of infant, pre-walk and children's shoes up to size 13 only)	Pr EN ISO TS 17226 ISO 14184-1	1 x A4 paper size (210mm x 297mm)	Natural leather materials: <75 ppm Textile materials: <20 ppm	
* CA Prop 65	Refer to Protocol 1300	All Samples	All samples shall be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required.	
Lead, Cadmium and Phthalate Applicable to children product including - Child car seats - Clothing - Cosmetics for children under the age of 12 - Jewelry for children under the age of 12 -Products to help a child with sucking or teething, to facilitate sleep, relaxation, or the feeding of a child	Lead and Cadmium EPA SW 846 Method # 3050B/3051 (Mod.) / CPSC-CH-E1003-09.1/ CPSC-CH-E1002-08.1 / CPSC-CH-E1001-08.1 Phthalate CPSC-CH-C1001-09.3	All Samples	Washington Children's Safe Products Act ≤ 90 ppm (lead) ≤ 40 ppm (Cadmium) ≤ 0.1% max total (BBP, DBP, DEHP, DINP, DIDP, DNOP) ≤ 0.1% max each individual (DCHP, DIBP, DnHP/DHEXP, DPP/DPENP) Note: Actual test would be performed on below suggested accessible materials. The Washington standard cannot be enforced for products to which a federal standard applies. Substances: Suggested materials Lead: Follow CPSC lead Cadmium: Follow CPSC lead Phthalates: Coating and Plasticized materials	
Total Lead	Metal: CPSC-CH-E1001-08.3 Non Metal: CPSC-CH-E1002-08.3 Surface Coating: CPSC-CH-E1003-09.1	1 Sample	90ppm Minnesota 325E.3892 (HF 2310) Products preempted by federal & state law (e.g., CPSC, FDA, etc) are exempt from testing.' Product exemptions for CPSC (16 CFR 1500.91 (d) and (e), 16 CFR 1500.88 and 16 CFR 1252)	
Total Cadmium	Substrate & Surface Coating: EPA or ASTM method from AFIRM or CPSC methods	1 Sample	75ppm Minnesota 325E.3892 (HF 2310) Product Exemptions by federal & state law (e.g., CPSC, FDA, etc) are exempt from testing.'	
PFAS Supplemental Protocol	Refer to Protocol 1600	All Samples	All samples shall be reviewed against the requirements of PFAS Supplement Protocol to determine if additional testing or labeling is required	
Refer to protocol Hardlines Regulatory Supplement for additional State & Federal Regulations	Refer to Protocol 1800	All Samples	All samples shall be reviewed against the requirements of the Hardlines Regulatory Supplemental Protocol (State Regulation Only) to determine if additional testing or labeling is required	

ADDITIONAL NOTE:

*** It is suggested number of samples required for basic package testing only. It may vary depending on the actual samples and no. of tests that are required for testing. The number of working days will depend on the actual candle-burning hours. For large candle additional days are required to complete burn. Please consult your nearest laboratory for details.

: Materials not meeting these levels should not necessarily be considered unsuitable: adequate reinforcement can increase both thickness and strength to acceptable levels.

REMARK:
HEAVY:
- Snow boots and shoes
- Rain boots and shoes
- Waterproof leather footwear
- Sports sandals (adult's and children's)
- Aqua shoes
- Hiking boots
- Athletics footwear
- All children's footwear except for casual sandals, slippers, ballets, flats, fabric upper shoes and beach thongs

MEDIUM:
- Men's dress shoes (leather oxford and loafers)
- Men's casual shoes (leather oxford, loafers, ankle boots)
- Women's dress shoes (leather and fabric; pumps, flats, sandals, loafers, oxfords)
- Women's casuals (leather and fabric, flats, sandals, loafers,oxfords, ankle boots)
- Coed vulcanized shoe/molded upper shoes
- Coed leather sandals
- Children's casual sandals, ballets, flats and fabric upper shoes

LIGHT
- Slippers (men's, women's, and children's)
- Women's espadrilles
- Beach thongs (men's, women's and children's)
-Coed fabric upper shoes
-Infant and pre-walk shoes

NOTE: Upper material for summer sandals, slippers, thongs and other open-toed footwear is exempt from cold flex test. Carry out Flexing Endurance at room temperature only.

PROTOCOL VERSION	DESCRIPTION OF CHANGE	Revised By	Approved By
1203 – 0	Initial Release	Simon Leung Jun 30, 2005	Ro Jain July 06, 2005
1203 – 1	Revised the requirements for PERFORMANCE (Leather) U1- Rub Fastness & Water Resistance	Simon Leung Aug 14, 2005	Ro Jain Sept 8, 2005
1203 – 2	Deleted Sole Bond Strength Test From Leather Upper Materials (U1). Revised Leather Lining Rub Fastness Test To SATRA TM8. Deleted Azo Dye, Nickel, TBT/DBT, PCP And EN 71 Testing From Restricted Substances. Formaldehyde Testing Became Applicable To Children's Shoes Only. Added Velcro and Zipper Performance Tests, Deleted Soluble Chromium & Cadmium Testing From Restricted Substances.	Simon Leung Dec 15, 2005	Ro Jain Dec 19, 2005
1203 – 3	Added Flexing Endurance Test Requirement To Snow Boot Upper Material (U1 & U2). Exempted Kid Leather From Qualitative Peel Test. Revised Water Resistance Test Requirement. Updated Rub Fastness, Flexing Endurance And Abrasion Resistance Test Requirements (U1, U2, U3, L1 & L2). Updated Slip Resistance Requirement For Soling Materials. Added Ross Flex Test To Outsole Material of Snow Boot (S10); Measurement Of The Limit Of Useful Extension Of Elastics & Elastics Webbing (C3); Fiber Content & Foam Padding I.D. Tests To Thermal Insulating Lining, Interlining, Filling & Padding (L3) And Microscopic I.D. of Fur & Faux Fur (L4). Added Miscellaneous Tests To Cover Upper, Lining And Soling Material For Athletic/Sports Shoes. Added Phthalates And Lead In PVC Tests (R2 & R3)	Simon Leung Jun 18, 2008	Ro Jain Aug 12, 2008
1203 – 4	Added Hard Grade Requirement to TPR Soling Material. Added Soling Performance Requirements to PCU. Price Adjustment.	Simon Leung Oct 23, 2008	Ro Jain Oct. 31, 2008
1203 – 5	Revised the Soling Performance Standard of PCU. Added the Soling Performance Standard of TPU (S14). Added Wet Abrasion Requirement to Lining (L1 & L2). Removed Test L4. Added Textile: Upper/Lining & Sock/Outsole Test (T1 & T2)	Simon Leung Jul 13, 2009	Ro Jain Jul 14, 2009
1203 – A	Updated the Shoe Classification List. Updated Wet Abrasion Requirement for Lining (L1 & L2). Updated Hardness Requirement for Solid PVC (S1). Updated the Slip Resistance Requirement for Resin Rubber (S3). Updated the Hardness and Slip Resistance Requirement for High & Low Density EVA (S5). Updated the Hardness Requirement for Polyurethane – Single & Dual Density (S7). Updated the Spilt Tear Strength Requirement for Mid Sole of Athletic/Sports Footwear (S11). Added Outsole Abrasion Test (S1 to S14). Added Slip Resistance Test to Soling for Athletics/Sports Shoes (S10). Updated Phthalates in PVC Test to Phthalates in Accessible Plasticized Materials. Added Lead in Accessible Substrate Materials Test (R4 & R5). Price Adjustment.	Simon Leung April 1, 2010	Ro Jain April 1, 2010
1203 – B	Added Upper material Test for Lace & Satin Fabric Materials (U4), Replaced Thermal Insulation Test (L3) by Lining Material Test on Lace & Satin Fabric, Deleted Slipper Soles Test (S9). Deleted Wool & Wool Blends Test (T1), Deleted Lead in PVC Test (R3). Updated Lead in Accessible Substrate Materials Test (R4 & R5). Updated Section Codes, Where Necessary, Due to Above Changes. Deleted Foam Padding I. D. and Lead in PVC from Price Table.	Simon Leung September 29, 2010	Ro Jain September 29, 2010
1203 – C	Updated Slip Resistance Requirement for Soling Materials. Updated the Test Principle/Requirement for Lead in Substrate Materials for Adult's and Children's Products.	Simon Leung June 13, 2011	Ro Jain June 13, 2011
1203-D	Updated pricing for phthalates	Elizabeth Armstrong July 21, 2011	Ro Jain July 21, 2011
1203-E	Added composite testing requirements for phthalates testing	Elizabeth Armstrong February 1, 2012	Ro Jain February 1, 2012
1203-F	Separate the test line of Prop 65 to supplementary protocol	Candy Chan Mar 26, 2013	Ro Jain Apr 15, 2013
1203-G	Added the Upper Performance Standard of Rubber & Polymeric Materials (U5). Added the Soling Performance Standard of Flexible Plastic to S9.	Hanson Chen August 6, 2013	Ro Jain September 5, 2013
1203-H	Differentiated the performance test rating into Tier 1/Tier 2/Tier 3 Added Top Piece and Slender Heels sections	Hanson Chen / Will Wu Jun 25, 2013	Ro Jain Feb. 10, 2014
1203-I	Updated the pricing of below test items: Sheer Strength ; Peel Strength and Colorfastness to Light Fading	Candy Chan Jul 30, 2014	Jeetendra Shelatkar Aug 18, 2014
1203-J	Lead, Cadmium and Phthalate in Washington Children's Safe Products Act	Eric Ho May 12, 2016	Elizabeth Armstrong May 13, 2016
1203-K	Added Chromium VI testing	Elizabeth Armstrong May 29, 2018	Elizabeth Armstrong May 29, 2018
1203-L	Removed Chromium VI Testing	Elizabeth Armstrong June 27, 2018	Elizabeth Armstrong June 27, 2018
1203-M	Updated the testing requirements for water resistance	Elizabeth Armstrong Sept 28, 2018	Elizabeth Armstrong Sept 28, 2018
1203-N	Updated phthalates requirements for Washington State	Elizabeth Armstrong June 11, 2019	Elizabeth Armstrong June 11, 2019
1203-O	Updated phthalates requirements for Washington State	Charlene Swanson August 2019	Charlene Swanson August 2019
1203-P	Added Water Repellency testing	Elizabeth Armstrong Jan 28, 2021	Elizabeth Armstrong Jan 28, 2021
1203-Q	Updated Protocol, updated testing requirements for sole wearing	Elizabeth Armstrong July 2021	Elizabeth Armstrong July 2021
1203-R	Added back in test line *Resistance of elastics to repeated extension that was missed during protocol update	Elizabeth Armstrong Sept 2021	Elizabeth Armstrong Sept 2021
1203-S	Added PFAS Test Line	Kevin Makocy April 29, 2022	Kevin Makocy April 29, 2022
1203-T	Added MN Law lead and Cadmium testing requirements	Elizabeth Armstrong Nov 2023	Elizabeth Armstrong Nov 2023

1203-U	Updated MN Law to add exemptions	Elizabeth Armstrong March 2024	Elizabeth Armstrong March 2024
1203-X	Added 1800 Hardlines Regulatory Supplement for additional State & Federal Regulations	February 2025	February 2025