

PROTOCOL # 1204-AE

Footwear Whole Shoe Tier 1

Performance Test	Test Method	Samples	Test Principle/Requirements	Rating (Section or exec. Summary which failed items can be referenced)
LABELING				
Labeling / Packaging Review	FPLA 16 CFR 500 & 19 CFR 134	All Samples	Should be legibly marked with the following information: Distributor's name, trademark or other means of identification of the manufacturer or packer & address (City, State & Zip) Product identification Net quantity of the contents in terms of weight, measure or numerical count (Metric & US Standard) or a combination so as to give accurate information and facilitate value comparison by the consumer Country of origin (if imported)	
Leather & Imitation Leather	16 CFR 24 Visual Check	All Samples	Must comply with Federal Trade Commission (FTC) Guidelines A disclosure of the percentage of leather fibers & non-leather substances in the composite or bonded leather.	
Faux & Real Fur Trim and Lining (Kohl's Requirement)	Fur Product Labeling Act (MA, NY, WI etc.)	All Samples	Material declaration and RN number should be legibly marked Additional disclosure is required for real fur	
Material Content Labeling	16 CFR 24 Visual Check	All Samples	Material composition of major parts of the footwear must be declared: Upper, Lining and sock, Outsole	
CPSIA Tracking Label (Applicable to Children's Products Only)	Visual Check	All Samples	Kohls Tracking Label Requirements – Includes "Kohl's", the product style number or name, the manufacturer's factory number and the month and year the product was manufactured. Shall be permanently and distinguishably marked on the product.	
Import Permit (For Natural Materials Only) If Applicable	US Department of Agriculture Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ)	All	Product shall not have prohibited materials present per US Department of Agriculture, Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ) Documentation and/ or proper permit(s) for specific product shall be supplied along with Testing Request form and samples. Permit information may be found at: https://www.aphis.usda.gov/wps/portal/aphis/home/ It is the vendor's responsibility for the compliance to relevant requirements.	
Adult Tracking Label: **If space limitations exist, contact Kohl's Quality Assurance & Product Integrity teams to discuss minimum required information quality. assurance@kohls.com	Kohl's Requirement	All	Can be included on packaging when necessary: Kohl's Assigned Factory Number Manufacture Date (Month/Year) UPC #	
CONSTRUCTION QUALITIES (Applicable to Adult's and Children's Footwear)				
Kohl's Workmanship Review	Visual Check / Actual Use	1 Sample	All components shall be provided as claimed and shall not be deformed or fractured. All hardware shall be provided All welds shall be smoothly finished and free from pits and splatter All components shall not contain any burrs or sharp edges (test by touch or sight) Product shall not contain any loose components or unsecured fastening where rigidity is required	
SUPPLEMENTAL CONSTRUCTION QUALITIES (Applicable to Children's Footwear Only)				
Small Parts	16 CFR 1501	1 Sample	No safety hazard at as received condition.	
Sharp Points & Edges	16 CFR 1500	1 Sample	No safety hazard at as received condition.	
Remark: Children's footwear include infant & pre-walk.				

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PERFORMANCE				
Sole Wearing Resistance	SATRA TM174	1 Sample	The requirement should follow with the Section S1 to S13 in shoe material protocol "KOHL'S – 1203 – Tier 1/Tier 2".	
Slip Resistance - Clay Tile	SATRA TM144	1 Sample	Dry: Min. 0.40 (By default exc. leather soles) Min. 0.30 (Leather soles) Min. 0.50 (Athletic/sports/footwear claimed to be "slip resistant") Wet Min. 0.30 (By default exc. leather soles) Min. 0.30 (Leather soles) Min. 0.40 (Athletic/sports/footwear claimed to be "slip resistant") Note: Exempt heel part slip test if top piece width <10mm	
Bond Durability	SATRA TM411	1 Sample	Min. 12 lbs/inch (default) Min. 23 lbs/inch (athletic/sports footwear)	
Toe Bonding For extended sole or toe tip of outsole warp up to upper (especially on athletic/sports footwear)	SATRA TM404	1 Sample	30 lbs. @ ½" circular sector For extended sole or toe tip of outsole warp up to upper (especially on athletic/sports footwear)	
Seam Strength	SATRA TM180	1 Sample	Min. 35 lbs (By default) Min. 45 lbs (Athletic/sports)	
Whole Top Line Strength	SATRA TM143	1 Sample	Min. 25 lbs.	
Tongue Attachment Strength	SATRA TM181	1 Sample	Min. 30 lbs (By default) Min. 60 lbs (Athletic/sports)	
*T-Bar Attachment Strength (Thong & Flip Flop Only)	SATRA TM118	1 Sample	Min. 20 lbs	
Eyelet Hole/Webbing Loop Tensile Strength	SATRA TM149	3 Sample	Min. 45 lbs (By default) Min. 55 lbs (Athletic/sports)	
Lace Durability (Not Worse Than Moderate Wear)	SATRA TM154	1 Sample	Lace to Lace: Min. 3,000 cycles (By default) Min. 5,000 cycles (Athletic/sports) (Applicable to static laces)	
Lace Strength (Applicable to Static Lace)	SATRA TM94	1 Sample	Min. 75 lbs (By default) Min. 45 lbs (Leather) Min. 100 lbs (Athletic/sports)	
Strength of Straps, Buckles, Lace Toggle, Ornament, Decorative Bow, and Related Attachments	16 CFR 1500 & 1501/ SATRA TM181	1 Sample	Children's Products Functional: No detachment at 40 lbs. Decorative: Infant/Toddler: No Detachment at: 17lbs for 10 seconds All Other: No detachment at 15 lbs for 10 seconds. No small parts, sharp points or edges. Adult's Products Functional: No detachment at 40 lbs. Decorative: No detachment at 15 lbs. (Fragile trims: sequins, seed beads, miniature rhinestones & studs etc. must exceed 5 lbs)	
Reinforcement Effectiveness	SATRA TM151/181	1 Sample	Athletic/Sports: min 55lbs EVA& Elastic min 34lbs By Default : min 45lbs	
Top Lift Attachment to Spigot Head	SATRA TM108	1 Sample	Min. 30 lbs	

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* Heel Attachment Strength and Permanent Set at 90 lbs (Heels > 5.0cm)	SATRA TM113	1 Sample	Detached Strength: Min. 150 lbs Permanent Set at 90 lbs: Max.15% of heel height	
*Full Shoe Flex (Water Proof if Claimed) All waterproof claims MUST be reviewed and discussed with Kohl'sPI prior to testing and product labeling	SATRA TM77	1 Sample	No leakage noted at 15,000 cycles.	
Whole Shoe Flex	SATRA TM92	1 Sample	No cracking noted at 50,000 cycles (By default) No cracking noted at 100,000 ,cycles (Athletic/sports) Note: Snow boot requires cold flex only	
*Full Shoe Flex (If Water Friendly is Claimed)	SATRA TM77	1 Sample	Should be evaluated only for visual defects after performing 15,000 cycles on completely submerged sample in water Additionally, test for all applicable bonding and attachment strength tests on TM 77 tested samples instead of testing those on as received sample. Style will not be considered waterproof. Remark: Multiple samples would be tested to TM 77 in order to complete bonding, attachment strength tests	
*Whole Shoe Flex (Snow Boot Only)	SATRA TM92	1 Sample	Max. 6 mm cracking at 20,000 cycles of cold flex @ - 4°F (-20°C)	
*Torsional Stiffness (Athletic/Sports Footwear Only)	SATRA TM256	1 Sample	Min. torque of 2 lb-ft at a twist angle of 10 degrees along its length (By default) Min. torque of 1 lb-ft at a twist angle of 10 degrees along its length (Children's)	
Floor Marking of Sole Materials (Where Relevant)	SATRA TM223	1 Sample	Staining on Vinyl 4.0 Min (GSR)	
*Resistance To Corrosion (Metal Components Only)	Kohl's TM 31	1 Sample	No major visual change, corrosion or staining after 24 hours @ 100°F (38°C) and 95% R.H.	
#Claim Verification (If Claimed)	Visual Check / Actual Use	1 Sample	All designs and features must conform to actual claim.	CLAIM
Soil Release *If claimed stain resistant	AATCC 130 (original state only, unless care instructions provided)	1 Sample	(Unless specified by Kohl's) Stains: red ketchup, soy sauce, corn oil, mineral oil, spaghetti sauce with meat, black coffee (Folger's), milk, cola (Coke), juice – grape (Welch's), blood Grade: 4.0 Min – Original Grade 3.5 Min – After laundering or spot clean (if claimed)	
Oil Repellency *if claimed	AATCC 118 Modified (original state only, unless care instructions provided)	1 Sample	Grade 5 min – Original Grade 3 min – after laundering	
Shoes with Washable Claim *Care instructions must be provided	AATCC 150 Washing condition (as per care provided* use Tide ® Powder Detergent)	1 Sample	Evaluate after 3 and 5 cycles - No constructional damage - Color Change: Grade 4.0 min. - Dimensional Stability: +/- ½ shoe size	
Shock energy Absorption	TM 142	1 Sample	For athletic/sports shoes: Forepart: Max.250 m/s2 deceleration Heel part: Max.200 m/s2 Deceleration	
Whole Shoe Breathability (if breathability is claimed)	SATRA TM376	1 Sample	Water evaporation loss: min. 8 g	
CHILDREN'S LIGHTED SHOES				
*Full Shoe Flex (Water Proof)	SATRA TM77	1 Sample	No light malfunction noted at 30,000 cycles. Check for any water leakage that causes short-circuiting or malfunction of the light. Check for small parts, sharp points and sharp edges.	
*Whole Shoe Flex	SATRA TM92	1 Sample	No exhausted battery noted at 50,000 cycles.	

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*Shock Resistance of Light Mechanism to Impact	AATCC 150 (Mod)	1 Sample	No light malfunction and/or detachment of light enclosure noted after 4-hr of continuous tumbling in a household clothes drying machine (front loading type) at low heat. Check for small parts, sharp points and sharp edges.	
ANALYTICAL				
*Nickel Spot Test (Qualitative) (Applicable To Metal Components With Direct & Prolong Skin Contact Only)	PD CR 12471	1 Sample	Negative test result. NOTE: ALL ACCESSIBLE METAL COMPONENTS ON CHILDREN'S FOOTWEAR REQUIRE NICKEL SPOT TEST. THE CRITERIA OF DIRECT & PROLONG SKIN CONTACT WILL NOT APPLY.	
* 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.	
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	
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. Substances Suggested materials Lead - Follow CPSC lead Cadmium - Follow CPSC lead Phthalates - Coating and Plasticized materials The Washington standard cannot be enforced for products to which a federal standard applies.	
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. Please consult your nearest laboratory for details.				

PROTOCOL VERSION	DESCRIPTION OF CHANGE	Revised by / Date	Approved By
1204 – 0	Initial Release	Ro Jain Jul 06, 2005	Ro Jain Jul 06, 2005
1204 – 1	Revised the unit for Bond Durability & Foxing Durability, and change the sample size from 7 pairs to 3 (Adults) & 4 (Children's) pairs.	Ro Jain Sept 08, 2005	Ro Jain Sept 08, 2005
1204 – 2	Revised Footwear Material Composition Declaration. Replaced Bally Flex & Ross Flex By Whole Shoe Flex Test. Revised The Testing Requirement for Bond Durability. Revised The Attachment Strength of Decorative Accents to 15 lbs. Colorfastness To Crocking and Perspiration Tests Required for Slippers, Flip Flop and Similar Footwear Only. Modified Testing Requirements for Slippers and Flip Flops. Revised TAT.	Ro Jain Jan 10, 2006	Ro Jain Jan 10, 2006
1204 – 3	Added Labeling Requirement To Cover Thermal Linings, Interlinings, Filling & Padding (If Claimed). Added Labeling Requirement Of Faux & Real Fur Linings. Added Labeling Requirement Of Composite Or Bonded Leather. Added Sole Wearing Resistance Requirement To Include Composite Or Bonded Leather Outsole. Updated Bond Durability Test Requirement (TM411). Updated Foxing Durability Test Requirement (TM411). Updated Tongue Attachment Strength Test Requirement. Updated T-Bar Attachment Strength Test Method to SATRA TM118. Updated Lace Durability Test Method To SATRA TM154 With Change To Test Requirement. Added Eyelet Hole/Webbing Loop Tensile Test (TM149). Added Measurement Of The Limit Of Useful Extension Of Elasticized Lace (TM102). Added Snow Boot Cold Flex Test (TM92). Added Torsional Stiffness Test (TM256). Updated Test Method For Floor Marking Of Sole Materials To TM223. Revised Nickel Spot Test Criteria For Children's Shoes. Added Lead in Metal Decorative Component Test For Children's Shoes. Added Various Athletic/Sports Footwear Testing Requirements.	Ro Jain Aug 12, 2008	Ro Jain Aug 12, 2008
1204 – 4	Added Lead in Accessible Substrate material Test (Children's Only). Updated the Limit of Lead in Surface Coating to Meet CPSIA of 2008 (Children's Only). Price Adjustment.	Ro Jain Oct. 31, 2008	Ro Jain Oct. 31, 2008
1204 – 5	Children's Shoes – Updated Workmanship Review.	Ro Jain May 05, 2009	Ro Jain May 05, 2009
1204-6	Added CPSIA tracking label information for children's products only	Ro Jain June 29, 2009	Ro Jain June 29, 2009
1204-7	Removed 100ppm from lead in substrate	Ro Jain July 13, 2009	Ro Jain July 13, 2009
1204-A	Changed the Protocol Number to 1204-A. Updated the Performance Requirements of Sole Wearing Resistance, Slip Resistance, Bond Durability, Lace Durability & Strength Tests. Added Performance Tests for Children's Lighted Shoes. Added Leather Lace Strength Test Requirement. Revised the Minimum Standard for Colorfastness to Chlorinated Pool Water & Sea Water to Class 3.0. Updated the Test Method & Requirements for Lead in Scrapable Surface Coating Test. Removed Lead in Accessible Substrate Material Test. Price Adjustment. Remove Color Fastness Tests.	Ro Jain April 1, 2010	Ro Jain April 1, 2010
1204-B	Deleted Labeling Requirement for Thermal Insulation. Deleted Physical Characteristics Section. Updated Scope of Materials for Fragile Trims, Updated Test Principle & Requirements for Lead in Scrapable Surface Coating and Lead in Accessible Substrate Materials.	Ro Jain September 29, 2010	Ro Jain September 29, 2010
1204-C	Changed the Nickel Spot Test Method from SGS In House Method C002 to PD CR 12471.	Ro Jain June 13, 2011	Ro Jain June 13, 2011
1204-D	Removed lead in scrapable surface coating (children's products) and added composite testing for both adults and children's lead in scrapable surface coating	Ro Jain February 1, 2012	Ro Jain February 1, 2012
1204-E	Separate the test line of Prop 65 to supplementary protocol	Ro Jain Apr 15, 2013	Ro Jain Apr 15, 2013
1204-F	Differentiated the performance rating to Tier 1/Tier 2/Tier 3	Ro Jain Feb. 10, 2014	Ro Jain Feb. 10, 2014
1204-G	Updated the pricing of below test items : Component Attachment Strength Resistance to Corrosion	Jeetendra Shelatkar Aug 18, 2014	Jeetendra Shelatkar Aug 18, 2014
1204-H	Renamed in-house method of Resistance To Corrosion	Jeetendra Shelatkar Oct 27, 2014	Jeetendra Shelatkar Oct 27, 2014
1204-I	Lead, Cadmium and Phthalate in Washington Children's Safe Products Act	Elizabeth Armstrong May 13, 2016	Elizabeth Armstrong May 13, 2016
1204-J	Updated water proof requirements	Elizabeth Armstrong Sept 28, 2019	Elizabeth Armstrong Sept 28, 2019
1204-K	Updated attachment strength requirements to include infant/toddler specific	Elizabeth Armstrong Jan 8, 2019	Elizabeth Armstrong Jan 8, 2019

1204-L	Added import permit and adult tracking label req	Elizabeth Armstrong April 22, 2019	Elizabeth Armstrong April 22, 2019
1204-M	Updated Phthalates requirements for Washington State	Elizabeth Armstrong June 11, 2019	Elizabeth Armstrong June 11, 2019
1204-N	Updated phthalates requirements for Washington State	Charlene Swanson August 2019	Charlene Swanson August 2019
1204-O	Added testing for soil release & Oil Repellency if claimed, also added requirements if slip resistance is claimed on product	Elizabeth Armstrong Oct 8, 2019	Elizabeth Armstrong Oct 8, 2019
1204-p	Added "slip resistance" claim to slip resistance testing to be tested to higher standards	Elizabeth Armstrong March 30, 2020	Elizabeth Armstrong March 30, 2020
1204-Q	Removed test line for "slip resistance" claim	Elizabeth Armstrong April 10, 2020	Elizabeth Armstrong April 10, 2020
1204-R	Removed "data only" from adult tracking label	Elizabeth Armstrong June 16, 2020	Elizabeth Armstrong June 16, 2020
1204-S	Added statement to waterproof testing	Elizabeth Armstrong June 23, 2020	Elizabeth Armstrong June 23, 2020
1204-T	Added water friendly testing requirements	Elizabeth Armstrong Aug 5, 2020	Elizabeth Armstrong Aug 5, 2020
1204-U	Add washable footwear testing	Elizabeth Armstrong Aug 28, 2020	Elizabeth Armstrong Aug 28, 2020
1204-V	Updated Reinforcement Effectiveness, Toe Bonding, slip resistance, seam strength and added Shock energy Absorption for athletic wear	Elizabeth Armstrong March 24, 2021	Elizabeth Armstrong March 24, 2021
1204-W	Added in requirements for PFAS test line	Violet Nelson April 29, 2022	Violet Nelson April 29, 2022
1204-X	Updated breathability test method/requirement to align with testing for whole shoe, not material	Elizabeth Armstrong Nov 2022	Elizabeth Armstrong Nov 2022
1204-Y	Update Whole Shoe Breathability from .8 to 8mg as it was typed in error	Elizabeth Armstrong Jan 2023	Elizabeth Armstrong Jan 2023
1204-Z	Added Tech Pack verification	Kevin Makocy December 2023	Kevin Makocy December 2023
1204-AA	Updated Bond Durability requirements to 12lbs for default	Kevin Makocy June 2024	Kevin Makocy June 2024
1204-AB	Updated tech pack review requirements to make more generic to not have Kohl's Fit approved tech packs	Elizabeth Armstrong Sept 2024	Elizabeth Armstrong Sept 2024
1204-AC	Removed Tech Pack verification	Lynsey Ingram Feb 2025	Lynsey Ingram Feb 2025
1204-AD	Added 1800 Hardlines Regulatory Supplement for additional State & Federal Regulations	February 2025	February 2025
1204-AE	Updated - Leather & Imitation Leather - Test Principle/Requirements	Lynsey Ingram Feb 2025	Lynsey Ingram Feb 2025