

313-4 Foam Pads

PERFORMANCE	TEST METHOD	REQUIREMENT
INITIAL PACKAGE / FULL PACKAGE		
Physical Properties		
Identification of Foam Material	Fourier Transform Infrared (FTIR) Analysis	Provide Actual
Presence of BHT - Butylated Hydroxytoluene	Gas Chromatography - Mass Spectrometry (GCMS) Analysis	BHT 150 ppm Max
Analytical		
Formaldehyde	Kohl's TM-5 (only for 4 years and up)	Negative, If Spot Test is Positive, proceed with step 2
	JIS L 1041:2000 – Sec. 5.3.1 (2) Method B, JIS Water Extraction Method	Children over 4 T & Adults = 75 ppm max. Children's 0-4T = 20 ppm max.
pH	AATCC 81	6.0 - 8.0
Dimensional Change		
Dimensional Change to Home Laundering AND Dry Cleaning	AATCC 135/158(3 washes) / Dry Clean (1 cycle) Ultra Tide ® Powder Detergent	+3% / - 5% maximum in length
Appearance Retention after Laundering AND Dry Cleaning	AATCC/ASTM TS-008 Modified Ultra Tide ® Powder Detergent	Change after Wash and Dry Clean No obvious color change, delaminating, puckering, cracking, blistering, or bubbling
Colorfastness		
Colorfastness to Chlorine Bleach AND Non-Chlorine Bleach	AATCC/ASTM TS-001	Shade Change: Grade 4 min
Colorfastness to Perspiration	AATCC 15	Shade Change: Grade 4 min Staining: Grade 4 min
Colorfastness to Crocking	AATCC 8/116	Dry - Grade 4 min Wet - Grade 3 min
Colorfastness to Water	AATCC 107	Shade Change: Grade 4 min Staining: Grade 4 min
Colorfastness to Atmospheric Fumes	AATCC 23 modified (test entire bra cup) (1 cycle)	Grade 4 min
ADDITIONAL COLORWAY TESTING		
Appearance Retention after Laundering AND Dry Cleaning	AATCC/ASTM TS-008 Modified Ultra Tide ® Powder Detergent	Change after Wash and Dry Clean No obvious color change, delaminating, puckering, cracking, blistering, or bubbling
Colorfastness to Chlorine Bleach AND Non-Chlorine Bleach	AATCC/ASTM TS-001	Shade Change: Grade 4 min
Colorfastness to Perspiration	AATCC 15	Shade Change: Grade 4 min Staining: Grade 4 min
Colorfastness to Crocking	AATCC 8/116	Dry - Grade 4 min Wet - Grade 3 min
Colorfastness to Water	AATCC 107	Shade Change: Grade 4 min Staining: Grade 4 min
Colorfastness to Atmospheric Fumes	AATCC 23 modified (test entire bra cup) (1 cycle)	Grade 4 min
Formaldehyde	Kohl's TM-5 (only for 4 years and up) JIS L 1041:2000 - Method	Negative, If Spot Test is Positive, proceed with step 2 Children over 4 years & Adults = 75 ppm max. Children's 0-4T = 20 ppm max.
pH	AATCC 81	6.0 - 8.0
REQUIRED WHERE APPLICABLE AT ADDITIONAL COST		
Colorfastness to Sea Water* (Swimwear Only)	AATCC 106	Shade Change: Grade 4 min Staining: Grade 4 min
Colorfastness to Chlorinated Pool Water* (Swimwear Only)	AATCC 162	Shade Change: Grade 4 min
Peel Bond Strength (fused products only)	ASTM D2724	>15.0 Newtons / 5cm (1500g/2")
TOXICOLOGY TESTING - REQUIRED WHERE APPLICABLE AT ADDITIONAL COST		
Lead Content in Surface Coating - Scrapeable in each color*	CPSC-CH-E1003-09.1	Children & Adult Products ≤ 90ppm (0.009% by weight) Refer to Kohl's Product Safety Policy for additional requirement on Composite Testing

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Total Lead in Substrate Material*	CPSC-CH-E1002-08.1/ CPSC-CH-E1001-08.1	Children's of ALL ages & Adult products ≤100 ppm (0.010% total weight) Refer to Kohl's Product Safety Policy for additional requirement on Composite Testing
Phthalates in each plasticized part/material such as PVC, Vinyl*	CPSC-CH-C1001.09.3	Children's & Adult Products (Coatings Shall be tested) ≤1000 ppm (0.1%) in each part of DEHP, DBP, BBP, DINP, DIDP, DNOP, & DNHP Refer to Kohl's Product Safety Policy for additional requirement on Composite Testing
Soluble Heavy Metals* Applies to Children's Toys	ASTM F 963-11	Children's Toys = Defined as a consumer product designed or intended by the manufacturer for a child, for use by the child when the child plays. Required for children's toys of ALL ages Mercury – 60 ppm Barium – 1000 ppm Antimony – 60 ppm Cadmium – 75 ppm Arsenic – 25 ppm Chromium – 60 ppm Selenium – 500 ppm Lead – 90 ppm

(* asterisk= ALL COLORWAYS MUST BE TESTED

ALL COMPONENTS MUST BE TESTED FOR TOXICOLOGY

Minimum Sample Size Necessary for Testing

Initial Package: 20 foam pads of the darkest colorway

Additional Colorway: 10 foam pads per colorway

Toxicology Testing

Consult with approved lab for the number of samples

****Please refer to Kohl's preferred third party labs for individual and optional testing pricing**

Turn Around Time = ROW: 6 working days; US: 10-12 working days

If Formaldehyde Spot Test is found positive, additional charges will incur for additional testing.

For sizes 0-4T, Formaldehyde will be added as a separate charge as it is a mandatory test for this category.

PROTOCOL VERSION	DESCRIPTION OF CHANGE	DATE REVISION / APPROVED BY
311-1	Protocol Created	March 2013 / Devon Engel
311-2	1. Formaldehyde – Modified JIS method to Water Extraction. Updated Children 0-4T req. from 0.05 Absorbency to 20 ppm.	May 2013 / Vinoth Deenadayalan
313-3	Removed pricing for testing/took out Intertek/added approved lab statement	October 6th 2014/Nov. 31 2014/Leah Gross-Hutchison
313-4	Update Formaldehyde Method to B	December 5th 2014- Michelle Zydek