

CHILDREN KNIT GARMENTS

TEST DESCRIPTION	REGULATION/TEST METHOD	REQUIREMENTS
MANDATORY		
Sew-in Label Verification - Fiber Content - Country of Origin - Care Instructions - Registration Number (RN) or Wool products Registration Number (WPL)	FTC Textile Fiber ID Act 16 CFR 303 16 CFR 300 19 CFR 134	Must Comply
Fiber Content	AATCC 20/20A	Single fiber ± 0.0% Blends ± 3.0%
Wearing Apparel Flammability	16 CFR Parts 1610	Shall meet Class 1 requirements
Dimensional Stability to Laundering (3x)	AATCC 150	% Length % Width 5 X 7
Dimensional Stability to Dry Cleaning (1x)	AATCC 158	% Length % Width 3 X 3
Colorfastness to Laundering/ Dry Cleaning	AATCC 61/132	Shade Change: Grade 4 minimum Staining: Grade 3 minimum Self –Staining: Grade 5/ No Self Staining
General Appearance After Laundering 3 Home Launderings/1 Dry Cleaning	Visual Evaluation	- No open raveling, open seams, or tufting damage. - No obvious defects/observations affecting the end product performance/appearance. - Color Change: Grade 4 - Self staining: Grade 4 - List all observations
Colorfastness to Chlorine Bleach	AATCC TS-001	Grade 4
Colorfastness to Non-Chlorine Bleach	AATCC TS-001	Grade 4
Colorfastness to Crocking	AATCC 8/116	Dry: Grade 4 minimum Wet: Grade 3 minimum
Drawstrings	Visual / Actual Measurement CPSC Guideline, ASTM F 1816, New York State Law 391.b and Amendment Wisconsin State Law ATCP 139	<p><u>Hood and Neck Area (age 12 and under)</u> Functional hood and neck drawstrings are not allowed at all on any children’s clothing</p> <p><u>Bottom and Waist Areas on all garments (age 16 and under)</u> Functional: May not exceed 3 inches in length when garment is expanded to its fullest width. Drawstrings must be bartacked at center back.</p> <p><u>Non-Functional:</u> 24 mon and under: May not exceed 3 inches in length when extended to its fullest width Size 2 and above: May not exceed 5.5” inches in length when extended to its fullest width.</p> <p>No toggles, knots or attachment at the free ends. Must be finished at both ends.</p>

Pentachlorothiophenol (PCTP)	Environmental Protection Agency, 86 FR 894, Final Rule, 40 CFR Part 751, Subpart E	≤ 1 % (10000 mg/kg)
Hexachlorobutadiene (HCBD)	Environmental Protection Agency, 86 FR 894, Final Rule, 40 CFR Part 751, Subpart E	Prohibited
Total Lead Content in Substrate Material	CPSIA, Section 101 CPSC-CH-E1001-08.3 (metallic substrates) CPSC-CH-E1002-08.3 (nonmetallic substrates)	≤100 ppm - Exclude mill-dyed and mill printed fabrics and threads. - Exclude Natural material in natural state, treated without added lead or substrate with coating removed e.g. leather or fur
Total Lead in Paint or Surface Coating	16 CFR 1303	≤ 90ppm All accessible coating
Sharp Points/Sharp Edges (under 8 years of age)	16 CFR 1500.48/49	Not allowed
Small Parts (Age 3 and under only)	16 CFR 1501	Intended for children under 36 months (3 years) of age shall not include removable, liberated components, or fragments of toys before or after use and abuse
Tracking labels for children's products	Consumer Product Safety Improvement Act of 2008	A permanent and distinguishing mark on the product and its packaging, to the extent practicable, enabling the manufacturer and purchaser to ascertain the name of the manufacturer or private labeler, location and date of production of the product.
Washington Lead, cadmium and phthalates on children's product	Washington Children's Safe Products Act (CSPA)	≤40 ppm Cadmium; ≤90 ppm Lead; ≤1000 ppm Phthalates(6P) (combined).
New York Toxic chemicals in children's products	The Toxic Free Toys Act (Albany, Suffolk County)	Compound
		Antimony
		Arsenic
		Cadmium
		Lead in surface coating
		Lead in substrates
		Max. levels in ppm
		60 (soluble)
		25 (soluble)
		75 (soluble)
		90 (soluble)
		100 (total)
		60 (Soluble)
STATES REGULATIONS		
Total heavy metals in packaging	Toxics in Packaging Clearinghouse (TPCH)	Packaging shall not contain the sum of mercury, cadmium, lead and chromium (VI) in concentration above 0.01% by weight. Sum of Phthalates: ≤ 100 mg/kg PFAS: Not detected
Plastic Bag Warnings	Various state laws	Plastic bags with a thickness of less than 1 mil (0.001 inch) having an opened end larger than 5 inches in diameter shall contain the following warning statement or equivalent: WARNING: To avoid danger of suffocation, keep this plastic bag away from babies and children. Do not use this bag in cribs, beds, carriages or playpens. This bag is not a toy.
California Prop 65	Warning label or applicable testing	In lieu of warning label, product should meet all applicable Prop 65 requirements.
Flame Retardants	Various state laws	Products claimed with flame retardant treatment shall meet all applicable requirements.

Chemicals of High Concern for Children / Priority Chemicals	Various US States Law	Record the concentration of Chemicals of High Concern for Children / Priority Chemicals. No pass / fail verdict.
OPTION (QUALITY & PERFORMANCE)		
Thread Count	ASTM D3887	As Specified (+/- 5%)
Weight	ASTM D3776	As Specified (+/- 5%)
Yarn Size	ASTM D1059	As Specified (+/- 10%)
Formaldehyde (Spot Test)	AATCC 94	No Trace If trace is found - proceed with full testing
Formaldehyde	JIS 1041 LAW 112 ISO 14184-1 (textile) ISO 17226-1 (leather)	Children < 36 months – A-Ao = 0.05 (equals 16 ppm) Children > 36 months -Direct skin contact: 75 mg/kg -Without direct skin contact: 300 mg/kg
pH of Water Extract	pH of Water Extract AATCC TM81 (textile) ASTM D2810 (leather)	Textile: Baby (≤ 36 months): 4.0-7.5 Non-baby (> 36 months): 4.0-8.0 Leather: 3.5-7.5
Colorfastness to Perspiration	AATCC 15	Shade Change: Grade 4 minimum Staining: Grade 3 minimum
Colorfastness to Saliva (for baby/children’s item under 3 years old)	64 LFGB B82.92-3	Min. Grade 5
Colorfastness to Light	AATCC 16 Option 3 40 hours	Grade 4
Torque	AATCC 179 Method 2, Option 3	5.0% Max
Bursting Strength	ASTM D 3786	50 PSI
Seam Strength	ASTM D 1683	All Seams: 30 lbs. Minimum Bartacks and reinforcements: 20 lbs. Min
Pilling Resistance Random Tumble Pilling Resistance	ASTM D3512	Grade 3.5 Minimum after 30 minutes
Pilling Resistance – ICI Pilling Method (Sweaters Only)	IWS 152 / BS 5811 / BS EN ISO 12945- 1	Lambswool, Merino, Cashmere and Blends: after 2 hours All others : after 4.0 hours Grade 3.0 Minimum
Attachment Strength Snaps Buttons, Shanks, Rivets, etc. Hand-Sewn Beads, Sequins, etc.	ASTM D7142 Opt. 2 16 CFR 1500.50-53 16 CFR 1500.50-53	15 lb. / 10 sec. 15 lb. / 10 sec. 5 lb. / 10 sec
Zipper Operability (open/close)	ASTM D2062	3 lb. maximum