

**CHILDREN SLEEPWEAR**

| TEST DESCRIPTION   | REGULATION/TEST METHOD  | REQUIREMENTS  |
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| <b>MANDATORY</b>   |   |   |
| <b>Sew-in Label Verification</b><br>- Fiber Content<br>- Country of Origin<br>- Care Instructions<br>- Registration Number (RN) or Wool products Registration Number (WPL)                                   | FTC Textile Fiber ID Act<br>16 CFR 303<br>16 CFR 300<br>19 CFR 134  | Must Comply   |
| Fiber Content  | AATCC 20/20A  | Single fiber ± 0.0%<br>Blends ± 3.0%  |
| Children's Sleepwear above size 9 months and up to size 14<br>Exemptions:<br>○ Diapers & underwear<br>○ Infant Garments size nine months or smaller<br>○ All tight-fitting sleepwear in sizes above 9 months | 16 CFR 1615/1616<br>Exempted items must comply to 16 CFR Parts 1610 | Average char length not to exceed 7.0 inches (17.8 cm) and NO individual specimen shall have a char length of 10 inches (25.4 cm)   |
| Size label/Hangtag<br>(Tight-fitting Children's sleepwear)   | Visual Check<br>/16 CFR 1615 / 1616                                 | Must comply.  |
| Packages / Tight-fitting label (Tight-fitting Children's sleepwear)  | 16 CFR 1615/ 1616   | Must comply.  |
| Labeling requirements (Loose-fitting Children's sleepwear)   | 16 CFR 1615 / 1616  | Must comply.  |
| Dimensional Stability to Laundering – Woven (3x)   | AATCC 150   | % Length % Width<br>Basic - Natural 5 X 5<br>Basic - Synthetic 3 X 3  |
| Dimensional Stability to Laundering – Knits (3x)   | AATCC 150   | % Length % Width<br>5 X 7   |
| Dimensional Stability to Dry Cleaning (1x)   | AATCC 158   | % Length % Width<br>3 X 3   |
| Colorfastness to Laundering/ Dry Cleaning  | AATCC 61/132  | Shade Change: Grade 4 minimum<br>Staining: Grade 3 minimum<br>Self –Staining: Grade 5/ No Self Staining   |
| General Appearance After Laundering<br>3 Home Launderings  | Visual Evaluation   | - No open raveling, open seams, or tufting damage.<br>- No obvious defects/observations affecting the end product performance/appearance.<br>- Color Change: Grade 4<br>- Self staining: Grade 4<br>- List all observations |
| Colorfastness to Chlorine Bleach   | AATCC TS-001  | Grade 4   |
| Colorfastness to Non-Chlorine Bleach   | AATCC TS-001  | Grade 4   |

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| Colorfastness to Crocking                       | AATCC 8/116   | Dry: Grade 4 minimum<br>Wet: Grade 3 minimum  |
| Drawstrings                                     | Visual / Actual Measurement<br><br>CPSC Guideline, ASTM F 1816,<br><br>New York State                         | <b><u>Hood and Neck Area (age 12 and under)</u></b><br>Functional hood and neck drawstrings are not allowed at all on any children's clothing<br><b><u>Bottom and Waist Areas on all garments (age 16 and under)</u></b><br><u>Functional:</u><br>May not exceed 3 inches in length when garment is expanded to its fullest width.  |
| Drawstrings                                     | Law 391.b and Amendment<br><br>Wisconsin State Law ATCP 139   | Drawstrings must be bartacked at center back.<br><u>Non-Functional:</u><br>24 mon and under: May not exceed 3 inches in length when extended to its fullest width<br>Size 2 and above: May not exceed 5.5" inches in length when extended to its fullest width.<br><b>No toggles, knots or attachment at the free ends. Must be finished at both ends.</b>                    |
| 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<br>CPSC-CH-E1001-08.3 (metallic substrates)<br>CPSC-CH-E1002-08.3 (nonmetallic substrates) | ≤100 ppm<br>- Exclude mill-dyed and mill printed fabrics and threads.<br>- 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  |
| Phthalates                                      | CPSIA sect. 108<br>Test method:<br>CPSC-CH-C1001-09.4   | <b>8 Phthalates</b><br>DEHP, DBP, BBP, DINP, DIBP, DPENP, DHEXP, DCHP<br>Each ≤ 0.1%<br><b>Exempted Plastics:</b><br>- Polypropylene (PP)<br>- Polyethylene (PE)<br>- Acrylonitrile Butadiene Styrene (ABS)<br>- High impact polystyrene (HIPS)<br>- Crystal and general-purpose polystyrene<br>- Medium-impact polystyrene (MIPS)<br>- Super-high-impact polystyrene (SHIPS) |
| 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.  |

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| Washington Lead, cadmium and phthalates on children's product | Washington Children's Safe Products Act (CSPA)   | ≤40 ppm Cadmium;<br>≤90 ppm Lead;<br>≤1000 ppm Phthalates(6P) (combined). |                           |
| New York Toxic chemicals in children's products               | The Toxic Free Toys Act (Albany, Suffolk County) | <b>Compound</b>   | <b>Max. levels in ppm</b> |
|   |  | Antimony  | 60 (soluble)              |
|   |  | Arsenic   | 25 (soluble)              |
|   |  | Cadmium   | 75 (soluble)              |
|   |  | Lead in surface coating   | 90 (soluble)              |
|   |  | Lead in substrates  | 100 (total)               |
|   |  | Mercury   | 60 (Soluble)              |

**STATES REGULATIONS**

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| 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.<br>Sum of Phthalates: ≤ 100 mg/kg<br>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:<br><b>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.</b> |
| 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)**

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| Thread Count  | ASTM D3775 (woven)/<br>ASTM D3887(knit)                             | As Specified (+/- 5%)  |
| Weight  | ASTM D3776  | As Specified (+/- 5%)  |
| Yarn Size   | ASTM D1059  | As Specified (+/- 10%)   |
| Formaldehyde (Spot Test)  | AATCC 94  | No Trace<br>If trace is found - proceed with full testing  |
| Formaldehyde  | JIS 1041 LAW 112  | Children < 36 months – A-Ao = 0.05 (equals 16 ppm)   |
|   | ISO 14184-1 (textile)<br>ISO 17226-1 (leather)                      | Children > 36 months<br>-Direct skin contact: 75 mg/kg<br>-Without direct skin contact: 300 mg/kg  |
| pH of Water Extract   | pH of Water Extract<br>AATCC TM81 (textile)<br>ASTM D2810 (leather) | Textile:<br>Baby (≤ 36 months): 4.0-7.5<br>Non-baby (> 36 months): 4.0-8.0<br><br>Leather: 3.5-7.5 |
| Colorfastness to Perspiration   | AATCC 15  | Shade Change: Grade 4 minimum<br>Staining: Grade 3 minimum   |
| Colorfastness to Saliva<br>(for baby/children's item under 3 years old) | 64 LFGB B82.92-3  | Min. Grade 5   |
| Colorfastness to Light  | AATCC 16 Option 3<br>40 hours                                       | Step 4   |

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| Torque (Knits only)   | AATCC 179 Method 2, Option 3                                | 5.0% Max   |
| Tensile Strength (Wovens)   | ASTM D5034  | 40 x 30 lbs. (warp x weft)   |
| Tear Strength (Wovens)  | ASTM D1424  | 3.0 x 2.5 lbs. (warp x weft)   |
| Bursting Strength (Knits)   | ASTM D 3786   | 50 PSI   |
| Seam Strength   | ASTM D 1683   | All Seams: 30 lbs. Minimum<br>Bartacks and reinforcements: 20 lbs. Min |
| Pilling Resistance (Woven)<br>Martindale Pilling Method<br>100 Movements                        | ASTM D4970  | Grade 3.5 minimum  |
| Pilling Resistance (Knit)<br>Random Tumble Pilling<br>Resistance                                | ASTM D3512  | Grade 3.5 Minimum after 30 minutes                                     |
| Attachment Strength<br>Snaps<br>Buttons, Shanks, Rivets, etc.<br>Hand-Sewn Beads, Sequins, etc. | ASTM D7142 Opt. 2<br>16 CFR 1500.50-53<br>16 CFR 1500.50-53 | 15 lb. / 10 sec.<br>15 lb. / 10 sec.<br>5 lb. / 10 sec                 |
| Zipper Operability (open/close)   | ASTM D2062  | 3 lb. maximum  |