

HARDLINES

**TOTAL QUALITY
ASSURANCE
SOLUTIONS FOR
JUVENILE PRODUCTS**





Juvenile Products

With the rise of the middle class in Asian countries including China and India, consumers from the East and the West are now increasingly looking for high-quality juvenile products and willing to pay a premium for safe and sustainable products.

Your Challenges

Companies that produce juvenile products face the daunting challenge of ensuring their products comply with constantly evolving local and international standards and regulations. It is essential for retailers, manufacturers, suppliers and distributors alike to keep abreast of the latest juvenile product legislations to avoid product recall, minimize reputation risk, and environmental impacts. How can one ensure their products comply with every quality checkpoint in the supply chain?

Our Solutions

The safety of juvenile products is a paramount concern of every parent or caregiver and the responsibility of the whole community. A safe product and environment should be provided for all children and their surroundings. From design and safety to quality assurance, Intertek strives to achieve consumer confidence and trust in your products and ensure the overall sustainability of your brand for years to come.

Assurance

Intertek offers the evaluation of product designs and packaging to help customers assure that safety standards are met for construction such as the interior dimensions of mattress support from the crib base, spacing between crib's spindles, and shear and pinch hazards in moving parts, damaged hardware, loose joints, missing parts, and sharp edges.

Labeling Assessments evaluate labels to ensure that appropriate product and usage information, warnings and caution statements are provided to consumers, as well as general instructions on the assembly to assure products are constructed correctly and securely.

Testing

Many parents have concerns about the safety of juvenile products. Intertek labs test the safety of these products by performing applicable physical, flammability and chemical safety testing.

Physical Tests

Physical testing is performed to minimize the risks of hazardous sharp edges, sharp points, or small parts; sudden collapses, or overturning due to foreseeable use and misuse.

Our experienced testing teams are specialized in evaluating the performance and constructional integrity of diverse juvenile product groups. Our field of physical tests includes:

- Bite Test
- Compression Test
- Drop Test
- Impact / Dynamic Test
- Locking and Latching Mechanism
- Restraint System Test
- Stability and Tipping Test
- Torque and Tension Test

Full details of the product safety regulations and standards, applicable in different retail markets, are shown in the tables on pages 4 to 7.

Flammability Tests

As many juvenile products include textile fabrics, padding and upholstery, it is also important to assess the flammability safety of these products as well. For this, we perform tests that include:

- Cigarette Test (16 CFR 1640, California Technical Bulletin 117-2013)
- UK Furniture and Furnishings (Fire)(Safety) Regulations & BS 5852 - Cigarette and match and open flame test
- EN 71-2 Surface Flash, rate of spread of flame



Chemical Tests

Hazardous chemicals are strictly restricted or prohibited in juvenile products. The materials utilized to produce children's products should be safe for children. For example, the finish and paint of juvenile products should not contain lead or any other toxic substances dangerous to the wellbeing and growth of children. Apart from the suitable materials used in juvenile products, the designs and strength properties are important, as babies spend most of their time sleeping and/or playing inside these products. There are various national legislation/standards regulating the chemical safety of these products:

USA

- CPSIA (H.R.4040)
- 16 CFR 1303 Lead in surface coating
- ASTM E1333 / ASTM D6007 / ASTM D5582 / EN ISO 12460-5 / EN 717-1 / EN ISO 12460-3 / EN717-3 / GB 18580 / GB 18584 / JIS 1460 Formaldehyde testing
- ATCM California Code of Regulations Title 17, § 93120 : CARB Formaldehyde testing and certification
- EPA TSCA Title VI formaldehyde (40 CFR PART 770): EPA TSCA Formaldehyde testing and certification
- Flame Retardant (State requirements)
- PFAS (State requirements)

Canada

- Canada Consumer Product Safety Act Phthalates Regulations SOR/2016-188 on phthalate content
- Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 23 on toxic elements test
- Canada Consumer Product Safety Act Consumer Products Containing Lead Regulations SOR/2018-83
- Canada Consumer Product Safety Act Surface Coating Materials Regulations (SOR/2016-193) on total lead content

European Union

- EN 71-3 Migration of certain elements
- REACH Annex XVII Item 20 Organostannic compounds
- REACH Annex XVII Item 23: Cadmium
- REACH Annex XVII Item 27 (formerly known as Directive 94/27/EC and 2004/96/EC): Nickel release
- REACH Annex XVII Item 43 : Azo colorants and azo dyes
- REACH Annex XVII Item 50 Polycyclic-aromatic hydrocarbons (PAH)
- REACH Annex XVII Item 51 & 52 Phthalate content
- REACH Annex XVII Item 63: Lead
- POP Regulation

Australia

- Competition and Consumer Act 2010 - Consumer Protection Notice No. 11 of 2011
- AS/NZS ISO 8124.3: Migration of certain elements

Inspection

Through our complete inspection services, you can be assured that the manufacturing process can produce products of consistently high quality that are safe for children.

Inspection of facilities, machinery and production methods ensure the sufficient high standards of maintained quality control systems and is assessed as part of the investigation of the production process.

Certification

Intertek's Tick and GS Mark Certification programs can certify the safety and performance attributes of your products. We can also assist our customers to certify to other industry standards such as the Juvenile Product Manufacturers Association (JPMA) Certification.

Table 1.0 Applicable Standards and Regulations for Juvenile Products (Cleaning, Early Learning, and Protection) by Market

	REGION	U.S. ¹	CANADA	BRAZIL	MEXICO	EUROPE ²	GERMANY
CLEANING	Changing Tables (Commercial Use)	ASTM F2285					
	Changing Tables/ Units (Home Use)	ASTM F2388 / 16 CFR 1235				EN 12221-1 & -2	DIN EN 12221-1 & 2
	Infant Bathtubs/ Bathing Aids	ASTM F3343				EN 17022 (Standalone type) / EN 17072 (Non-standalone type)	DIN EN 17022 (Standalone type) / DIN EN 17072 (Non-standalone type)
	Infant Bath Seats	ASTM F1967 / 16 CFR 1215				EN 17022 (Standalone type)	DIN EN 17022 (Standalone type)
	Infant Bathtubs	ASTM F2670 / 16 CFR 1234				EN 17072	DIN EN 17072
EARLY LEARNING	Baby Bouncers/ Reclined Cradles (Free-standing, Either Static, Rocking or Bouncing)	ASTM F2167 / 16 CFR 1229				EN 12790	DIN EN 12790
	Baby Bouncers (Swinging on Door Frame)					EN 14036	DIN EN 14036
	Infant Swings (Note - NOT Swings for Use in Playgrounds)	ASTM F2088 / 16 CFR 1223				EN 16232	DIN EN 16232
	Infant Walkers/ Walking Frames	ASTM F977 / 16 CFR 1216	Banned		NOM-133/1-SCFI	EN 1273	DIN EN 1273
	Stationary Activity Centers	ASTM F2012 / 16 CFR 1238		ABNT NBR NM 300		EN71	DIN EN71
PROTECTION	Bed Guard Rails	ASTM F2085 / 16 CFR 1224					
	Children's Harnesses (Soft Infant and Toddler Carriers & Reins)					EN 13210-1 & -2	DIN EN 13210 -1 & -2
	Infant Bedding, Cot Bumpers	ASTM F1917					
	Playpens / Play Yards	ASTM F406 / 16 CFR 1221	SOR/2018-186	ABNT NBR 15860: 2016	NOM-133/3-SCFI	EN 12227	DIN EN 12227
	Safety Gates/ Enclosure/ Barriers	ASTM F1004 / 16 CFR 1239	SOR/2016-179			EN 1930	DIN EN 1930

¹ A different year version of ASTM standard may be adopted in the relevant CFR standard. Consult labs for further details if necessary; ² Not all EN standards are harmonized in Europe under GPSD (2001/95/EC) and/or adopted in France under French Decree (91-1292). Check the relevant links for details https://ec.europa.eu/growth/single-market/european-standards/harmonised-standards/general-product-safety_en



Table 1.0 (Continued) Applicable Standards and Regulations for Juvenile Products (Cleaning, Early Learning, and Protection) by Market

	REGION PRODUCT	FRANCE ³	UNITED KINGDOM	AUSTRALIA / NEW ZEALAND ⁴	JAPAN ⁵	TAIWAN	CHINA
CLEANING	Changing Tables (Commercial Use)					CNS 16095	
	Changing Tables/ Units (Home Use)	NF EN 12221-1 & 2	BS EN 12221 -1 & -2			CNS 15987	
	Infant Bathtubs/ Bathing Aids	NF EN 17022 (Standalone type) / NF EN 17072 (Non- standalone type)	BS EN 17022 (Standalone type) / BS EN 17072 (Non- standalone type)	Consumer Goods (Baby bath aids) Safety Standard 2017			
	Infant Bath Seats	NF EN 17022 (Standalone type)	BS EN 17022 (Standalone type)	Consumer Goods (Baby bath aids) Safety Standard 2017		CNS 16024	
	Infant Bathtubs	NF EN 17072	BS EN 17072			CNS 16025	
EARLY LEARNING	Baby Bouncer/ Reclined Cradles (Free-standing, Either Static, Rocking or Bouncing)	NF EN 12790	BS EN 12790		CPSA 0137	CNS 15982	
	Baby Bouncers (Swinging on Door Frame)	NF EN 14036	BS EN 14036			CNS 16008	
	Infant Swings (Note - NOT for Use in Playgrounds)	NF EN 16232	BS EN 16232			CNS 15973	
	Infant Walkers/ Walking Frames	NF EN 1273	BS EN 1273	Consumer Protection Notice No. 1 of 2013	CPSA 0002	CNS 13035	GB 14749
	Stationary Activity Centers	NF EN71	BS EN71				
PROTECTION	Bed Guard Rails		BS 7972		CPSA 0136	CNS 15911	
	Children's Harnesses (Soft Infant And Toddler Carriers & Reins)	NF EN 13210 -1 & -2	BS EN 13210 -1 & -2			CNS 16042	GB/T 23159
	Infant Bedding, Cot Bumpers		BS 1877-10			CNS 16147	
	Playpens / Play Yards	NF EN 12227	BS EN 12227	AS/NZS 2195 / Consumer Protection Notice No.4 of 2008	CPSA 0093	CNS 16004	GB 29281
	Safety Gates/ Enclosure/ Barriers	NF EN 1930	BS EN 1930		CPSA 0045	CNS 16005	

³ Not all EN standards are harmonized in Europe under GPSD (2001/95/EC) and/or adopted in France under French Decree (91-1292). Check the relevant links for details https://ec.europa.eu/growth/single-market/european-standards/harmonised-standards/general-product-safety_en; ⁴ Consumer Protection Notice may adopt/modify the relevant AS/NZS standards. Refer to the link for details <https://www.productsafety.gov.au/product-safety-laws/safety-standards-bans/mandatory-standards>; ⁵ Standards approved under SG Mark

Table 2.0 Applicable Standards and Regulations for Juvenile Products (Sitting, Sleeping, and Transportation) by Market

	REGION	U.S. ¹	CANADA	BRAZIL	MEXICO	EUROPE ²	GERMANY
	PRODUCT						
SITTING	Booster Seats (Chair mounted seat)	ASTM F2640 / 16 CFR 1237				EN 16120	DIN EN 16120
	Children's Chairs & Stools	ASTM F2613 (Folding & Non-folding) / 16 CFR 1232 (Folding type only)				EN 17191	DIN EN 17191
	High Chairs	ASTM F404 / 16 CFR 1231		ABNT NBR 15991- 1 & -2		EN 14988	DIN EN 14988
	Infant Floor Seats	ASTM F3317					
	Infant Rockers / Infant Toddler Rockers	ASTM F3084				EN 12790	DIN EN 12790
	Portable Hook- On Chairs / Table Mounted Chairs	ASTM F1235 / 16 CFR 1233				EN 1272	DIN EN 1272
SLEEPING	Bedside Sleepers	ASTM F2906 / 16 CFR 1222	SOR/2016-152			EN 1130	DIN EN 1130
	Bassinet/Cradles (Rocking, Swinging, or Static)	ASTM F2194 / 16 CFR 1218	SOR/2016-152	ABNT NBR 16067- 1 & -2		EN 1130	DIN EN 1130
	Carry Cots / Hand- held Infant Carriers	ASTM F2050 / 16 CFR 1225	SOR/2016-152			EN 1466	DIN EN 1466
	Commercial Cribs	ASTM F2710					
	Cribs or Cots	ASTM F406 / 16 CFR 1220 OR ASTM F1169 / 16 CFR 1219	SOR/2016-152	ABNT NBR 15860- 1 & -2		EN 1130 / EN 716-1 & -2	DIN EN 1130 / DIN EN 716-1 & -2
	Crib Mattresses	ASTM F2933 / 16 CFR 1241				EN 16890	DIN EN 16890
	Toddler Beds	ASTM F1821 / 16 CFR 1217					
TRANSPORTATION	Baby Carriers (Frame Back Carrier)	ASTM F2549 / 16 CFR 1230				EN 13209-1	DIN EN 13209-1
	Baby Carriers (Sling Carriers)	ASTM F2907 / 16 CFR 1228				CEN/TR 16512 (UNI 11736 for Italy)	CEN/TR 16512
	Baby Carriers (Soft Infant Carrier)	ASTM F2236 / 16 CFR 1226				EN 13209-2	DIN EN 13209-2
	Car Seats	FMVSS No. 213 (49 CFR 571.213)	SOR/2016-191	ABNT NBR 14400		UN Regulation No. 44/03	UN Regulation No. 44/03
	Hand-Held Infant Carriers	ASTM F2050 / 16 CFR 1225	SOR/2016-152			EN 1466	DIN EN 1466
	Strollers and Carriages / Wheeled Child Conveyances	ASTM F833 / 16 CFR 1227	SOR/2016-167	ABNT NBR 14389	NOM-133/2- SCFI	EN 1888 -1 & -2	DIN EN 1888 -1 & -2

¹ A different year version of ASTM standard may be adopted in the relevant CFR standard. Consult labs for further details if necessary; ² Not all EN standards are harmonized in Europe under GPSD (2001/95/EC) and/or adopted in France under French Decree (91-1292). Check the relevant links for details https://ec.europa.eu/growth/single-market/european-standards/harmonised-standards/general-product-safety_en



Table 2.0 (Continued) Applicable Standards and Regulations for Juvenile Products (Sitting, Sleeping, and Transportation) by Market

	REGION PRODUCT	FRANCE ³	UNITED KINGDOM	AUSTRALIA/ NEW ZEALAND ⁴	JAPAN ⁵	TAIWAN	CHINA
SITTING	Booster Seats (Chair mounted seats)	NF EN 16120	BS EN 16120			CNS 16007	
	Children's Chairs & Stools	NF EN 17191	BS EN 17191		CPSA 0054	CNS 16045	
	High Chairs	NF EN 14988	BS EN 14988	AS 4684	CPSA 0029	CNS 15017	GB 22793.1 & GB/T 22793
	Infant Floor Seats				CPSA 0054		
	Infant Rockers / Infant Toddler Rockers	NF EN 12790	BS EN 12790				
	Portable Hook- On Chairs / Table Mounted Chairs	NF EN 1272	BS EN 1272		CPSA 0096	CNS 16046	
SLEEPING	Bedside Sleepers	NF EN 1130	BS EN 1130			CNS 16044	
	Bassinet/Cradles (Rocking, Swinging or Static)	NF EN 1130	BS EN 1130	AS/NZS 4385		CNS 12990	GB 30004
	Carry Cots / Hand- Held Infant Carriers	NF EN 1466	BS EN 1466		CPSA 0106	CNS 16083	
	Commercial Cribs						
	Cribs or Cots	NF EN 1130 / NF EN 716-1 & -2	BS EN 1130 / BS EN 716-1 & -2	AS/NZS 2172 / CONSUMER PROTECTION NOTICE No. 6 of 2005	CPSA 0023	CNS 11676	QB 2453.1- & -2
	Crib Mattresses	NF EN 16890	BS EN 16890			CNS 16116	
	Toddler Beds	NF D60-300-4	BS 8509				
TRANSPORTATION	Baby Carriers (Frame Back Carrier)	NF EN 13209-1	BS EN 13209-1			CNS 16006-1	
	Baby Carriers (Sling carriers)	CEN/TR 16512	CEN/TR 16512				
	Baby Carriers (Soft Infant Carrier)	NF EN 13209-2	BS EN 13209-2		CPSA 0027	CNS 16006-2	GB/T 35270
	Car Seats	UN Regulation No. 44/03	UN Regulation No. 44/03	AS/NZS 1754 / CONSUMER PROTECTION NOTICE No. 3 of 2014			GB 27887
	Hand-Held Infant Carriers	NF EN 1466	BS EN 1466		CPSA 0106		
	Strollers and Carriages / Wheeled Child Conveyances	NF EN 1888 -1 & -2	BS EN 1888 -1 & -2	AS/NZS 2088 / Consumer Protection Notice No. 8 of 2007	CPSA 0001	CNS 12940	GB 14748

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ABOUT INTERTEK

Intertek is the recognized leader in quality assurance of juvenile products by global brands and retailers with unmatched technical expertise and global coverage.

Our physical testing is supported by our team of technical experts who actively participate in a broad range of advisory committees and boards developing standards, including the Comité Européen de Normalisation (CEN), Australian/New Zealand Standard (AS/NZS), American Society of Testing and Materials (ASTM), and the Juvenile Product Manufacturers Association (JPMA).

Our chemical testing laboratories offer extensive material testing including lead content in surface coatings (16 CFR 1303) and in substrates, including phthalates (DBP, DEHP, DINP, BBP, DNOP, DIDP), DEHP - ASTM D3421, and other heavy metals.

Partnering with Intertek assures the delivery of excellence in developing your own product safety and performance specifications for all juvenile product needs. Moreover, our assurance solutions help upgrade your product quality to effectively improve competitive advantage in the global marketplace. Through our global network in over 100 countries, we provide Total Quality Assurance solutions for juvenile products to bring quality, safety and sustainability to life.



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