



Hong Kong Standards and Testing Centre

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Suggested Sample Size for Toy Testing

Japan

Test (type)	Requirements	Samples (Pcs/type)	Application
Japan Toy Safety Standard (ST Standard)	Full test	3-10 samples of each item	Toys for children under 14 years of age. With packaging
	Part 1	1 piece of finished product	
	Part 2	1 pieces of finished product	
	Part 3 - Chemical properties - Formaldehyde - Phthalates	1-10 pieces of finished product	
Food Sanitation Law	Chemical properties - Color running - Heavy metals - Phthalates	1-10 pieces of finished product	Designated toys for children under 6 years old. With packaging

USA

Test (type)	Requirements	Samples (Pcs/type)	Application
ASTM F963	Full test	3-12 samples of each item	Toys for children under 14 years of age
	Physical & Mechanical	1 piece of finished product	
	Flammability	1 piece of finished product	
	Heavy Metals - Total and soluble	1 piece of finished product	Paint or similar coating
	Battery Operated Toy	1 piece of finished product + Circuit diagram + instruction sheet & packaging	DC toys
	Stuffing Cleanliness	At least 2 pieces of finished product	Filling materials
	DEHP in PVC	5-8gm of each PVC material and each colour	Test for under 3 years
Microbiological Test	1 piece of finished product or 50 ml of liquid, gel, paste, etc.	Liquid/gel/paste	
Total Lead	CPSIA 16 CFR 1303	Sufficient samples to obtain 2gm of coating per each colour	Paint or similar coating
	CPSIA	1-2 pieces of finished product	
Phthalates	CPSIA	1-2 pieces of finished product	Plasticized materials
Heavy metals in packaging	CONEG	5-8gm of each component in packaging	All components in packaging
Plastic Food Contact Articles	FDA 21 CFR 170-189	6 pieces of finished product	Food container
Ceramicware	California Proposition 65	12 pieces of finished product	Food container



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Europe

Test (type)	Requirements	Samples (Pcs/type)	Application
EN71	Full test	3-6 samples of each item	Toys for children under 14 years of age
	EN71 part 1	1 piece of finished product	
	EN71 part 2	1 piece of finished product	
	EN71 part 3	1 piece of finished product	
Electric Toy Safety Test	EN62115 (including EN60825)	3 pieces of finished product + Circuit diagram + instruction sheet & packaging	Battery operated toys
Electro Magnetic Compatibility	EN55014-1/55014-2	2 pieces of finished product + Circuit diagram + instruction sheet & packaging	Non-RF
	R&TTE	2 pieces of finished product + Circuit diagram + instruction sheet & packaging	RF only

Other European Test Requirements

Test (type)	Requirements	Samples (Pcs/type)	Application
Azo dyes	REACH Annex XVII (Directive 2002/61/EC)	- 1 x A4 size of each fabric and each colour printed - 3gm of each thread, Velcro & SIL	Fabric and leather only
Cadmium	REACH Annex XVII (Directive 91/338/EEC)	3gm of each materials	Paint coating and the interior part of the product
Nickel Release	REACH Annex XVII (Directive 94/27/EC)	1 piece of sample	Metal parts in direct skin contact
Phthalates (6 phthalates)	REACH Annex XVII (Directive 2005/84/EC)	5-8gm of each plasticized material (PVC or other)	All PVC and plasticized materials that can be put in the mouth
SVHCs	REACH	200ml of each liquid material 400gm of each solid material	Raw materials
Bisphenol A	Directive 2011/8/EU	1 piece of sample	PC infant bottles
Plastic in Food Contact Articles	Regulation (EU) 10/2011	4 pieces of sample	Food contact articles
Formaldehyde	Finnish Standard SFS 4996. Max 30 mg/Kg	- 1 x A4 size of each fabric and each colour printed - 6gm of each thread, Velcro & SIL	Fabric only
Heavy metals in packaging	Directive 94/62/EEC	5-8gm of each component in packaging	All components in packaging
Phenol Content	German LMBG / DIN 53704	8gm of each plastic material (PVC)	Germany only
PCP Content in leather/wood	REACH Annex XVII (Directive 91/173/EC/ German Decree)	100gm of each wooden and leather material	Wood and leather



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Australia

Test (type)	Requirements	Samples (Pcs/type)	Application
AS/NZS ISO 8124	Full test	3-6 samples of each item	With packaging
	Part 1	1 piece of finished product	
	Part 2	1 piece of finished product	
	Part 3	1 piece of finished product	
Electric Toy Safety Test	AS/NZS 62115	3 pieces of finished product	B/O toys
NSW Product Safety Order	Microbiological tests	1 piece of finished product	Liquid filled toy
	Liquid analysis	1 piece of finished product	
Australian Import Regulation	Leachable lead and cadmium	6 pieces of finished product	Food container
Electro Magnetic Compatibility	EN55014-1/55014-2	1 piece of finished product + Circuit diagram + instruction sheet & packaging	For B/O toys
	C Tick Mark	2 pieces of finished product + Circuit diagram + instruction sheet & packaging	For RF, walkie talkie and AC toys

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Voluntary Test on Fabric Material

Test (type)	Requirements	Samples (Pcs/type)	Application
Colourfastness	Colour fastness to washing upto 60°C (BS EN ISO 105 C01-03)	- 1 x A4 size of each fabric and each colour printed - 50yds of each thread - 50yds of each Velcro & SIL	each fabric and each colour printed.
	Colour fastness to rubbing (wet & dry) (BS EN ISO 105X12: 1995)	- 1 x A4 size of each fabric and each colour printed - 50yds of each thread - 50yds of each Velcro & SIL	each fabric and each colour printed.
	Colour fastness to water (BS EN ISO 105 E01: 1996)	- 1 x A4 size of each fabric and each colour printed - 50yds of each thread - 50yds of each Velcro & SIL	each fabric and each colour printed.
	Colour fastness to sweat and saliva German DIN 53160	(1) ½ x A4 size of each fabric (include thread & Velcro etc.) and each colour printed + plastic material OR (2) 2 pieces of sample	Germany



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China CCC

Test (type)	Requirements	Main sample	Assortment sample
Dolls	Full test	3-6 pieces of each item	2 pieces of each style
Metallic toys	GB 6675 Part 1	1-2 pieces of finished product	
Plastic toys	GB 6675 Part 2	1-2 pieces of finished product	
Projectile toys	GB 6675 Part 3	1-2 pieces of finished product	
Electric toy	GB 6675 & GB 19865	3-6 pieces of finished product + Circuit diagram + instruction sheet & packaging	2 pieces of each style