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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 piece 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	Base material
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

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
Bisphenol A	Directive 2011/8/EU	1 piece of sample	Polycarbonates infant bottles
Cadmium	REACH Annex XVII (Directive 91/338/EEC)	3gm of each materials	Paint coating and the interior part of the product
Flame retardants	Directive 2014/79/EU	3gm of each materials	Textile, plastic and rubber with coating in toys intended for use by children under 36 months or in other toys intended to be placed in the mouth
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
Formamide	2015/2115/EU	10 gm of each material	Foam materials
Heavy metals in packaging	Directive 94/62/EEC	5-8gm of each component in packaging	All components in packaging
Nickel Release	REACH Annex XVII (Directive 94/27/EC)	1 piece of sample	Metal parts in direct skin contact
PAHs (Polycyclic Aromatic Hydrocarbons)	REACH Annex XVII (Entry 50)	5-8gm of each materials	Rubber or plastic components in toys, and childcare articles that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use

PCP Content in leather/wood	REACH Annex XVII (Directive 91/173/EC/ German Decree)	100gm of each wooden and leather material	Wood and leather
Phthalates (7 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
Phenol Content	German LMBG / DIN 53704	8gm of each plastic material (PVC)	Germany only
Plastic in Food Contact Articles	Regulation (EU) 10/2011	4 pieces of sample	Food contact articles
ROHS	2011/65/EU	1 piece of finished product + 5gm of each material	Electronic products
SCCP	POPs Regulation (EC) No 850/2004	5-10 gm of each material	All materials
SVHCs	REACH	200ml of each liquid material 400gm of each solid material	Raw materials

Australia

Test (type)	Requirements	Samples (Pcs/type)	Application
AS/NZS 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

China CCC

Test (type)	Requirements	Main sample	Assortment sample
Dolls Metallic toys Plastic toys Projectile toys	Full test	4 pieces of each item	2 pieces of each style
	GB 6675 Part 1	1-2 pieces of finished product	
	GB 6675 Part 2	1-2 pieces of finished product	
	GB 6675 Part 3	1-2 pieces of finished product	
Electric toy	GB 6675 & GB 19865	4 pieces of finished product + Circuit diagram + instruction sheet & packaging	2 pieces of each style

Voluntary Test on Fabric Material

Test (type)	Requirements	Samples (Pcs/type)	Application
Colour fastness	Colour fastness to washing up to 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 105 x12: 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) . 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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