



Hong Kong Standards and Testing Centre

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353

Suggested Sample Size for Toy Testing

Europe

Test (type)	Specified	Samples (Pcs/type)	Comments
EN71	Full test	3-5 samples of each item	Toys intended for 3+
	EN71 part 1	At least 1 piece of sample	
	EN71 part 2	At least 1 piece of sample	
	EN71 part 3	At least 1 piece of sample	
	EN71 Part 6	Packaging box	
Battery-operated Toy Safety Test	EN62115/EN60825	1 piece of sample + Circuit diagram + instruction sheet & packaging	
Electro Magnetic Compatibility	EN55014-1/55014-2	1 piece of sample + Circuit diagram + instruction sheet & packaging	Non-RF
	R&TTE	2 pieces of sample + Circuit diagram + instruction sheet & packaging	RF only

Other European Test Requirements

Test (type)	Specified	Samples (Pcs/type)	Comments
Azo dye	Directive 2002/61/EC	- 1 x A4 size of each fabric and each colour printed - 3gm of each thread, Velcro & SIL	Applies to fabric only
Cadmium	Directive 91/338/EEC	3gm of each materials	Test applies to the packaging and the interior part of the product
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	Applies to fabric only
Nickel Release	Directive 94/27/EC	1 piece of sample	Test applies to metal parts in direct skin contact
Phthalates (upto 15 phthalates content)	EU Recommendation (6 phthalates) or Specific EU country	5-8gm for each plastic material (PVC)	PVC or 'teething' type of plastic for children under 3 years
Plastic in Food Contact Articles	Directive 2002/72/EC	4 pieces of sample	
Colourfastness to saliva and perspiration	German DIN53160	(1) ½ x A4 size of each fabric (include thread & Velcro etc.) and each colour printed + plastic material OR (2) 2 pieces of sample	
Phenol Content	German LMBG / DIN 53704	8gm of each plastic material (PVC)	Germany only
PCP Content in leather/wood	Directive 91/173/EC/ German Decree	100gm of each wooden and leather material	Test aim on the wooden and leather material



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Voluntary Test on Fabric Material

Test (type)	Specified	Samples (Pcs/type)	Comments
Colourfastness +BS1006	Colour Fastness to washing upto 60°C (Expired, old requirement, BS 1006 C01-03) [New requirement: BS EN ISO 105 C01-03] Colour Fastness to rubbing (wet & dry) (Expired, old requirement, BS 1006 X12) [New requirement: BS EN ISO 105X12: 1995] Colour Fastness to water (Expired, old requirement, BS 1006 E01) [New requirement: 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 - 1 x A4 size of each fabric and each colour printed - 50yds of each thread - 50yds of each Velcro & SIL - 1 x A4 size of each fabric and each colour printed - 50yds of each thread - 50yds of each Velcro & SIL	A4 size of each fabric and each colour printed. Note: specify test type.



USA

Test (type)	Specified	Samples (Pcs/type)	Comments
ASTM F963	Full test Physical & Mechanical Flammability Heavy Metal Battery Operated Toy Stuffing Cleanliness DEHP in PVC Microbiological Test	3-5 samples of each item At least 2 pieces of samples At least 2 pieces of samples 30ml of paint/ink each colour 1 piece of sample + Circuit diagram + instruction sheet & packaging At least 2 pieces of sample 5-8gm of each PVC material and each colour 1 piece of sample or 50 ml of liquid, gel, paste, etc.	Paint coating only Test for under 3 years
Plastic Food Contact Articles	FDA 21 CFR 170-189	6 pieces of sample	
Ceramicware	California Proposition 65	12 pieces of sample	
ElectroMagnetic Compatibility	FCC Part 15	1 piece of sample + Circuit diagram + instruction sheet & packaging	



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Australia

Test (type)	Specified	Samples (Pcs/type)	Comments
AS/NZS ISO 8124	Full test Part 1 Part 2 Part 3	3-5 samples of each item At least 1 piece of sample At least 1 piece of sample At least 1 piece of sample	With packaging
NSW Product Safety Order	Microbiological tests Liquid analysis	1 piece of sample 1 piece of sample	
Australian Import Regulation	Leachable lead and cadmium	6 pieces of sample	
Electro Magnetic Compatibility	EN55014-1/55014-2	1 piece of sample + Circuit diagram + instruction sheet & packaging	For B/O toys
	C Tick Mark	2 pieces of sample + Circuit diagram + instruction sheet & packaging	For RF, walkie talkie and AC toys

Japan

Test (type)	Specified	Samples (Pcs/type)	Comments
Japan Toy Safety Standard	Full test Part 1 Part 2 Part 3 - Chemical properties - Formaldehyde - DEHP and DINP	3-5 samples of each item At least 2 pieces of sample At least 2 pieces of sample 400 cm ² or 50 g granular form of PVC/PE/Rubber/Acetylcellulose 30 cm ² of coloring material 300 ml of PVC paint, and 100 ml of others 10 g or fabric material 20 g of PVC or 2 pcs sample	With packaging
Food Sanitation Law	Full test	400 cm ² or 50 g granular form of PVC/PE/Acetylcellulose 1000 cm ² or 100 g granular form of rubber 30 cm ² of coloring material 50 ml of paint	With packaging