

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <b>7827</b> <b>Accredited to ISO/IEC 17025:2017</b>	<b>Bay Area Compliance Laboratories Corp.(Dongguan)</b>	
	<b>Issue No: 016 Issue date: 19 April 2021</b>	
	<b>No. 12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong People's Republic of China</b>	<b>Contact: David Zhang Tel: +86 769 86858888 Ext: 5601 Fax: +86 769 86858891 E-Mail: qa.dg@baclcorp.com Website: www.baclcorp.com.cn</b>
<b>Testing performed by the Organisation at the locations specified below</b>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code
<b>Lab 1</b> <b>Address</b> No. 12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong People's Republic of China  <b>Local contact</b> David Zhang	<b>Testing:</b> Toys – Physical Testing Toys – Flammability testing Toys – Chemical testing Plastics – Chemical testing Electro Technical Products – chemical testing Textiles – Chemical testing Leather – Chemical testing	D
<b>Lab 2</b>	Textiles – Physical testing	E
<b>Address</b> 6/F, the 3rd Phase of Wan Li Industrial Bldg Shihua Rd FuTian Free Trade Zone Shenzhen  <b>Local contact</b> David Zhang	<b>Testing:</b> Toys – Chemical testing	S



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
TOYS AND TOY PACKAGING	<u>Physical and Mechanical</u>	BS EN 71-1:2014 +A1:2018 EN 71-1:2014 +A1:2018 Excluding the following clauses; 4.10.1 Folding and sliding mechanisms 4.11 c) Mouth actuated toys and other toys intended to be put in the mouth 4.13 Cord of toy kites and other flying toys 4.14.1 c) Toys which a child can enter 4.15.1 Toys propelled by child 4.16 Heavy immobile toys 4.19 Percussion caps 4.20 Acoustics 4.21 Toys containing a non-electrical heat source 4.23 Magnet 4.24 Yo-yo ball 5.5 Liquid filled toys 5.6 Speed limitation of electrically driven toys 8.6 Tip over test 8.15 Leakage of liquid-filled toys 8.17 Durability of mouth-actuated toys 8.18 Folding or sliding mechanisms 8.19 Electric resistivity of cords 8.21 Static strength 8.22 Dynamic strength 8.23 Stability 8.26 Brake performance 8.27 Strength of toy scooter steering tubes 8.28 Determination of emission sound pressure levels 8.29 Determination of maximum design speed of electrically-driven ride-on toys 8.30 Measurement of temperature rises 8.31 Toy chest lids 8.35 Magnetic flux index 8.37 Yo-yo balls measurements	D



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TOYS AND TOY PACKAGING (cont'd)	<u>Physical and Mechanical (cont'd)</u>	ISO 8124-1:2018+Amd 1:2020+Amd 2:2020 AS/NZS ISO 8124.1:2019 Excluding the following clauses; 4.11.7 Cords, strings and lines for flying toys 4.15 Stability and overload requirements 4.17 Simulated protective equipment, such as helmets, hats and goggles 4.21 Braking 4.22 Toy bicycles 4.23 Speed limitation of electrically driven ride-on toys 4.24 Toys containing a heat source 4.25 Liquid-filled toys 4.26 Mouth-actuated toys 4.29 Acoustic requirements 4.30 Toy scooters 4.31 Magnets and magnetic components 4.32 Yo-yo balls 5.12 Stability and overload tests 5.14 Impact test for toys that cover the face 5.16 Free-wheeling facility and brake performance test 5.17 Determination of speed of electrically driven ride-on toys 5.18 Determination of temperature increases 5.19 Leakage of liquid-filled toys 5.20 Durability of mouth-actuated toys 5.22 Folding or sliding mechanisms 5.23 Washable toys 5.25 Determination of sound pressure levels 5.26 Static strength for toy scooters 5.27 Dynamic strength for toy scooters 5.28 Brake performance for toy scooters 5.29 Strength of toy scooter steering tubes	D



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TOYS AND TOY PACKAGING (cont'd)	<u>Physical and Mechanical (cont'd)</u>	5.30 Resistance to separation of handlebar 5.31 Tension test for magnets 5.32 Magnetic flux index 5.38 Yo-yo ball measurements	D
TOYS AND TOY PACKAGING (cont'd)	<u>Physical and Mechanical (cont'd)</u>	ASTM F963: 17 For the following clauses; 4.1 Material Quality 4.6 Small Objects 4.7 Accessible Edges 4.8 Projections 4.9 Accessible Points 4.10 Wires or Rods 4.11 Nails and Fasteners 4.12 Plastic Film 4.13 Folding Mechanisms and Hinges 4.14 Cords, Straps and Elastics 4.16 Confined Spaces 4.18 Holes, Clearance, and Accessibility of Mechanisms 4.21 Projectile Toys 4.22 Teethers and Teething Toys 4.23 Rattles 4.24 Squeeze Toys 4.26 Toys Intended to be Attached to a Crib or Playpen 4.27 Stuffed and Beanbag-Type Toys 4.28 Stroller and Carriage Toys 4.30 Toy Gun Marking 4.31 Balloons 4.32 Certain Toys with Nearly Spherical Ends 4.33 Marbles 4.34 Balls 4.35 Pompoms 4.36 Hemispheric-Shaped Objects 5 Labeling Requirements 6 Instructional Literature 7 Producer's Markings 8.5 Normal Use Testing 8.6 Abuse Testing 8.7 Impact Tests 8.8 Torque Tests for Removal of Components 8.9 Tension Test for Removal of Components	



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TOYS AND TOY PACKAGING (cont'd)	<u>Physical and Mechanical (cont'd)</u>	ASTM F963: 17 For the following clauses;  8.10 Compression Test 8.12 Flexure Test 8.14 Projectiles 8.16 Pompoms 8.22 Package Film Thickness 8.23 Test for Loops and Cords	D
	Sharp Points, Sharp edges, Small Parts, Use & Abuse tests	CPSC 16, CFR 1500.48 (1-1-20) CPSC 16, CFR 1500.49 (1-1-20) CPSC 16, CFR 1500.50 (1-1-20) CPSC 16, CFR 1500.51 (1-1-20) CPSC 16, CFR 1500.52 (1-1-20) CPSC 16, CFR 1500.53 (1-1-20) CPSC 16, CFR 1501 (1-1-20)	D
	<u>Flammability Tests</u>	BS EN 71-2:2011+A1:2014 EN 71-2:2011+A1:2014	D
		ISO 8124-2:2014 AS/NZS 8124.2:2016	D
		ASTM F963:17	
		Including the following: 4.2 Flammability Annex A5 only	D
		CPSC 16 CFR 1500.44 (1-1-20)	D



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TOYS, TOYS PACKAGING and CHILDRENS ARTICLES (cont'd)  Category I, Category II, & Category III	<u>Chemical Tests (cont'd)</u>  Extractable General Elements	BS EN 71-3:2019, & EN 71-3:2019 table 2, Using acid extraction, and ICP {OES} or ICP (MS)  To implement EU Directive 2009/48/EC and its amendments	D + S
TOYS, TOYS PACKAGING and CHILDRENS ARTICLES (cont'd)  Category I, Category II, & Category III	<u>Chemical Tests (cont'd)</u>  Extractable Chromium	BS EN 71-3:2019 & EN 71-3:2019, table 2 Using acid extraction, and ICP (OES)  Chromium VI Using acid extraction. And LC-ICP(MS) for Category I, Category II or III  For Category III : IC-UV(Dongguan) by subtraction total Cr – Cr VI  To meet EU Directive 2009/48/EC	S or D  S  D



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<p>TOYS, TOYS PACKAGING and CHILDRENS ARTICLES (cont'd)</p> <p>Category I, Category II, Category III</p>	<p>Extractable Organic Tin</p> <p>1<sup>st</sup> Action Screening method for Organic Tin</p>	<p>To meet limits of table 2 of BS EN 71-3:2019 &amp; EN 71-3:2019</p> <p>If Organic Tin (expressed as Tributyl Tin calculated from total extractable Sn, when <math>U_{exp}</math> is taken into account); <math>Is &lt; 12\text{mg/Kg}</math> for Cat III; then it may be inferred that the sample meets the migration limits of BS EN 71-3:2019 for the appropriate Category for both Inorganic and Organic Tin</p>	<p>D</p> <p>D</p>



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TOYS, TOYS PACKAGING and CHILDRENS ARTICLES (cont'd)	Extractable heavy Metals (As, Ba, Se, Pb, Cd, Hg, Sb Cr)	ISO 8124-3:2020	D	
		ASTM F963-17 sections 4.3.5.1(2) & 4.3.5.2 (2)b	D	
	Soluble Cadmium	AS/NZS ISO 8124-3:2012 + Amd1:2016 Using ICP(OES)	D	
		ASTM F963-17 section 4.3.5.2 (2)c to implement CPSC-CH-E1004-11 using ICP(OES) or AAS	D	
		Total Lead in surface coatings	ASTM F963-17 section 4.3.5.1 (1) to implement CPSC-CH-E1003-09.1(2011) and meet the requirements of 16CFR 1303 & CPSIA:2008 section 101	D
			Using microwave or hot plate digestion and ICP(OES) or AAS	
		Total Lead in non-metals	ASTM F963-17 & CPSC-CH-E1002-08.3 (2012) & meet requirements of CPSIA:2008 section 101	D
	Total lead in metals			
		Using hot plate or microwave digestion, ICP(OES) or AAS		
	Phthalate <b>DBP</b> , DIBP, DPENP, DHEXP(DnHP), DCHP, DEHP, BBP, DINP	ASTM F963-17 & CPSC-CH-E1001-08.3(2012) & meet requirements of CPSIA:2008 section 101	D	
		CPSC-CH-C1001-09.4 (2018) & meet CPSIA:2008 section 108	D	
		Using THF extraction and GC(MS)		





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TOYS, TOYS PACKAGING and CHILDRENS ARTICLES (cont'd)	Phthalate content (DEHP)	ASTM F963-17 section 4.3.8 & modified ASTM D3421:1975 (1987)  Using soxhlet extraction and GC(MS)	D
PLASTICS & TEXTILES	Phthalate content	EN 14372:2004 section 6.3.2: to REACH Directive 1907/2006 and its amendments Annex XVII items 51 & 52  Using Soxhlet extraction & GC(MS)	D
PLASTICS, POLYMERS, and SURFACE COATINGS	Total Cadmium	BS EN 1122: 2001 method B: to meet the requirements of EC Directive 1907/2006 and its amendments 11 REACH Annex XVII item 23  Using hot plate or microwave digestion, & ICP(OES) or AAS	D
TEXTILES	pH of water extract	ISO 3071:2020 BS EN ISO3071:2020 AATCC 81:2016	D
	Banned azo dyes	EN ISO 14362-1:2017/ISO 14362-1:2017 to meet REACH Directive 1907/2006 and its amendments Annex XVII item 43	D
	4- AAB	EN ISO 14362-3:2017/ISO 14362-3:2017  Using reductive cleavage GC(MS) & HPLC	D
	Formaldehyde (free & released)	BS ISO 14184-1 & 2:2011 ISO 14184-1 & 2 :2011 AATCC 112:2020 JIS L1041:2011 Using UV(VIS)	D



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ELECTRONIC & ELECTRICAL EQUIPMENT COMPONENTS	Heavy metals (Pb, Cd, CrVI, Hg)	IEC 62321 part 1 & part 2:2013 for sample preparation by disassembly and disjointing	D
		IEC 62321-3-1:2013 For screening using XRF	
		IEC 62321-4:2013 + AMD1:2017 & IEC 62321-5:2013 for determination of Pb, Cd, Cr, Hg	D
		IEC62321-7-1:2015 for determination of Cr VI in colourless and coloured corrosion-protected coating on metals, IEC62321-7-2:2017: for determination of Cr VI in polymers and electronics.	
		Using microwave or hot plate digestion, and ICP(OES) or AAS & UV(Vis)	D
	Phthalate Content	IEC 62321-8:2017	D
	PBB's & PBDE's	IEC 62321-6:2015, using solvent extraction & GC(MS)	D
	All IEC 62321 tests to meet requirements of RoHS Directive EU 2011/65 and its amendments		
Polyaromatic Hydrocarbons	AfPS GS 2019:01 PAK to meet requirements of EC Directive 2005/69/EC and GS mark certificates	D	



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PACKAGING & PACKAGING MATERIALS	Heavy metals (Pb, Cd, Cr VI, & Hg)	Determination of Pb,Cd,Cr VI, Hg to meet requirements of EC Directives 94/62/EC, 2004/12/EC and 2005/20/EC and its amendments  Using ICP (OES,), AAS or UV(Vis)	D
LEATHER	Cr VI	ISO 17075-1:2017 DIN EN ISO 17075-1:2017 ISO 17075-2:2017 DIN EN ISO 17075-2:2017	D
TEXTILES, GARMENTS & FOOTWEAR	Colourfastness to Domestic and Commercial Laundering	ISO 105 C06:2010 Excluding:D3S & D3M	E
	Colourfastness to Crocking	ISO 105 X12:2016 AATCC 8:2016 (E2019)	E
	Colourfastness to Water	ISO 105 E01:2013	E
	Colourfastness to Perspiration	ISO 105 E04:2013 BS EN ISO 105 E04:2013	E
<b>END</b>			