

Test Report

No.: 68.452.24.4600.01

Date: 2024-12-26



Applicant: Cubbies
Address: Jubilee house, East beach, Lytham St annes FY8 5FT
Product Name: Cockapoo Dog
CL-CAP1
Racoon
BC-RAC1
CAT
CL-CAT1
Grey Bunny *New*
CL-BUN1
Moose
BC-MOO2
Style No.: See above
Order No.: PO145
End Use: Plush Toy
Buyer: CUBBIES LTD
Supplier: Wuhan Zhongyishang
Country of Origin: China
Country of Destination: USA; UK; AUSTRALIA; CANADA
Receipt Date of Sample: 2024-11-21, 2024-12-12
Date of Testing: 2024-11-25 ~ 2024-12-24
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

Test Item	Conclusion
1. EN 71-1:2014+A1:2018 Mechanical and Physical Properties	Pass
2. EN 71-2:2020 Flammability	Pass
3. Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 Tracking labels for children's products	Pass
4. CPSC Mechanical and Physical Properties	Pass
5. CPSC Flammability	Pass
6. Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 + SOR/2018-138 - Physical & Mechanical	Pass
7. Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 + SOR/2018-138 - Flammability Section 21	Pass
8. Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 + SOR/2018-138 - Flammability Section 32	Pass
9. AS/NZS ISO 8124.1:2023 Safety of toys - Part 1: Safety aspects related to mechanical and physical properties	Pass
10. AS/NZS ISO 8124.2:2023 Flammability	Pass

Regd. Office:

TüV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998
Fax: +86 755 8828 5299
E-mail: info@tuvsud.com
Web : <http://www.tuvsud.cn>

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Lab 2 - Physical & mechanical testing

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Test Item	Conclusion
11. ASTM F963-23 Standard Consumer Safety Specification for Toy Safety - Physical and Mechanical	Pass
12. ASTM F963-23 Standard Consumer Safety Specification for Toy Safety - Flammability Test of Materials Other Than Textile Materials	Pass
13. ASTM F963-23 Standard Consumer Safety Specification for Toy Safety - Flammability Test of Textile Materials	Pass
14. EN 71-3:2019+A1:2021-Migration of certain elements	Pass
15. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 51 & 52 - Phthalates Content	Pass
16. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 43 - Azocolourants Content	Pass
17. ASTM F963-23 Section 4.3.5.2 - Total Lead Content Test (Substrate Materials)	Pass
18. ASTM F963-23 Section 4.3.5.1 & Section 4.3.5.2 - Soluble Heavy Elements	Pass
19. ASTM F963-23 Section 4.3.8 - Phthalates	Pass
20. 15 U.S.C. § 1278a / CPSIA section 101(a)(2) - Total lead content (Substrate)	Pass
21. CPSIA, § 108, 16 CFR 1307- Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
22. US California Proposition 65 (Alameda County Superior Court RG-07-356892)- Total Lead Content	Pass
23. US California Proposition 65 (Alameda BG07350969) - Phthalates Content	Pass
24. Canada Consumer Products Containing Lead Regulations (SOR/2018-83) -Total Lead Content	Pass
25. Canada Phthalates Regulations (SOR/2016-188) - Phthalates Content	Pass
26. Canada Toys Regulations SOR/2011-17 Section 27(3)(a) &(b) - Total Lead	Pass
27. Canada Toys Regulations SOR/2011-17 Section 27(3)(a) &(b) - Migration of certain 7 Elements	Pass
28. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 23 - Cadmium Content	Pass
29. AS/NZS ISO 8124.3:2021 Amd 1:2023 Migration Heavy Metal Content	Pass

Remarks: 1. MDL = Method Detection Limit
2. ND = Not Detected (<MDL)
3. <= Less than
4. 1 mg/kg = 1 ppm = 0.0001%

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TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Testing Center

Prepared by:

Authorized by:

Gianna



Steven

Hobart

Gianna Gao
Project Manager

Steven Shu
Senior Project Coordinator
(For Chemical)

Hobart Yang
Senior Test Engineer
(For Physical and Mechanical)

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- (2) The results relate only to the items tested.
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- (4) If relevant standards do not specify decision rule(s), follow decision rule as below:
 - "Pass" means that the measured result is within the limits, even when extended by expanded uncertainty at a level of confidence of 95%.
 - "Fail" means that the measured result is beyond the limit, even when extended by expanded uncertainty at a level of confidence of 95%.

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Description of Tested Subject:

Sample	Description	Photo
A	Whole product	
001	Cockapoo dog CL-CAP1 (Whole product)	
002	Racoon BC-RAC1 (Whole product)	

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Sample	Description	Photo
003	CAT CL-CAT1 (Whole product)	
004	Grey bunny *New* CL-BUN1 (Whole product)	
005	Moose BC-MOO2 (Whole product)	
006	Dark brown plush (Horn)	
007	Soot brown long plush w/ black/ white embroidery (Surface)	
008	White plush (Ears/ tail & belly of moose/ racoon & cat)	
009	Brownness plush (Rim)	
010	Brownness fabric (Zipper band)	
011	Translucent light brown plastic (Zipper teeth)	

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Sample	Description	Photo
012	White plastic (Zipper head)	
013	Multi-color knitted fabric (Zipper puller & logo label)	
014	Translucent white plastic film (Back of zipper puller)	
015	Black printed white fabric (Sewing label)	
016	Brown long plush (Surface)	
017	Beige long plush (Eyebrow & mustache)	
018	Cream color long plush (Nose)	
019	Black plush w/ brown embroidery (Nose & eyes of dog & racoon)	
020	Cream color plush (Belly)	
021	Brown plush (Rim/ sole & ears)	
022	Brown fabric (Zipper band)	
023	Translucent brown plastic (Zipper teeth)	

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Sample	Description	Photo
024	Black brown plush (Ears & sole)	
025	Grey plush (Surface)	
026	Grey long plush (Tail)	
027	Black brown long plush (Tail)	
028	Light grey plush (Rim)	
029	Grey fabric (Zipper band)	
030	Translucent grey plastic (Zipper teeth)	

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Sample	Description	Photo
031	Grey brown plush (Ears)	
032	Light grey/ grey printed white long plush w/ green embroidery (Surface)	
033	White long plush w/ pink embroidery (Nose)	
034	Snow white long plush (Sole)	
035	Light grey long plush (Surface)	
036	Pale grey plush (Ears/ belly & sole)	
037	Steel grey plush (Nose)	
038	White fabric w/ sewing thread (Filler bag)	

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Sample	Description	Photo
039	White knitted fabric (Band)	
040	White filler (Inner body)	
041	Light grey long plush w/ steel grey plush (Bunny)	
042	Cream color plush (Belly) w/ black plush w/ brown embroidery (Nose & eyes of dog & racoon)	

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T. No	Sample	Description
T1	001	Cockapoo dog CL-CAP1 (Whole product)
T2	002	Raccoon BC-RAC1 (Whole product)
T3	003	CAT CL-CAT1 (Whole product)
T4	004	Grey bunny *New* CL-BUN1 (Whole product)
T5	005	Moose BC-MOO2 (Whole product)
T6	006	Dark brown plush (Horn)
T7	007	Soot brown long plush w/ black/ white embroidery (Surface)
T8	008	White plush (Ears/ tail & belly of moose/ racoon & cat)
T9	009	Brownness plush (Rim)
T10	010	Brownness fabric (Zipper band)
T11	011	Translucent light brown plastic (Zipper teeth)
T12	012	White plastic (Zipper head)
T13	013	Multi-color knitted fabric (Zipper puller & logo label)
T14	014	Translucent white plastic film (Back of zipper puller)
T15	015	Black printed white fabric (Sewing label)
T16	016	Brown long plush (Surface)
T17	017	Beige long plush (Eyebrow & mustache)
T18	018	Cream color long plush (Nose)
T19	019	Black plush w/ brown embroidery (Nose & eyes of dog & racoon)
T20	020	Cream color plush (Belly)
T21	021	Brown plush (Rim/ sole & ears)
T22	022	Brown fabric (Zipper band)
T23	023	Translucent brown plastic (Zipper teeth)
T24	024	Black brown plush (Ears & sole)
T25	025	Grey plush (Surface)
T26	026	Grey long plush (Tail)
T27	027	Black brown long plush (Tail)
T28	028	Light grey plush (Rim)
T29	029	Grey fabric (Zipper band)
T30	030	Translucent grey plastic (Zipper teeth)
T31	031	Grey brown plush (Ears)
T32	032	Light grey/ grey printed white long plush w/ green embroidery (Surface)
T33	033	White long plush w/ pink embroidery (Nose)
T34	034	Snow white long plush (Sole)
T35	035	Light grey long plush (Surface)
T36	036	Pale grey plush (Ears/ belly & sole)
T37	037	Steel grey plush (Nose)
T38	038	White fabric w/ sewing thread (Filler bag)
T39	039	White knitted fabric (Band)
T40	040	White filler (Inner body)
T41	041	Light grey long plush w/ steel grey plush (Bunny)
T42	042	Cream color plush (Belly) w/ black plush w/ brown embroidery (Nose & eyes of dog & racoon)

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Test Result(s):

1. EN 71-1:2014+A1:2018 Mechanical and Physical Properties

Sample	001, 002, 003, 004, 005
Labelled age range	Suitable for all ages
Requested age range	All ages
Age range in testing	All ages
Age Group Assessed As per Age Guideline	All ages

Clause	Requirement	Evaluation
4	General Requirements	--
4.1	Material cleanliness	P
4.7	Edges	P
4.8	Points and metallic wires	P
5	Toys intended for children under 36 months	--
5.1	General requirements	P
5.2	Soft-filled toys and soft-filled parts of a toy	P
5.4	Cords, chains and electrical cables in toys	P
7	Warnings, markings and instructions for use	--
7.1	General	P

Abbreviation:

P = Pass, F = Fail, NA = Not Applicable, NR = Not Requested.

Note:

Only applicable clauses were shown.

Labelling requirement (Washing/Cleaning instruction, CE marking, Importer/Manufacturer name and address, Product identification) according to the Directive 2009/48/EC-Safety of toys.

	On Package	On Product
CE Marking	Absent	Present
Importer's/Manufacturer's Name and Address	Absent	Present
Product Identification	Absent	Present

The following marking shall be fulfilled.

- The CE marking is subject to the general principles set out in Article 30 of Regulation (EC) No 765/2008. The CE marking shall be affixed visibly, legibly and indelibly to the toy, to an affixed label to the packaging, or to the counter display.
- The manufacturer's name and address, importer's name and address in the EU shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
- The toys shall bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

	On Package	On Product
Washing/Cleaning instruction	Absent	Present

A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soaked. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.

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2. EN 71-2:2020 Flammability

Sample		001, 002, 003, 004, 005
Clause	Requirement	Evaluation
4.1	General Requirement	P
4.5	Soft-filled toys	P

Abbreviation:

P = Pass, F = Fail, NA = Not Applicable, NR = Not Requested.

Note:

Only applicable clauses were shown.

3. Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 Tracking labels for children's products

Sample		001, 002, 003, 004, 005
Section	Requirement	Evaluation
Tracking labels for children's products	A permanent and distinguishing mark or code on the product and its packaging, to the extent practicable, allows the manufacturer and purchaser to ascertain the name of the manufacturer or private labeler, location and date of production of the product.	P#1

Abbreviation:

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Note:

The tracking label assessment was based on the submitted samples and the information provided by the applicant. There was no verification on the validity of such information.

Remark:

#1= Tracking label on the packaging can be exempted, as tracking label on the product can be seen at point of sale without removing the packaging.

4. CPSC Mechanical and Physical Properties

As per U.S. Code of Federal Regulations title 16 Part 1500.50, the hazards of sharp points, sharp edge and small parts are assessed both before and after applicable use and abuse tests.

Sample		001, 002, 003, 004, 005		
Labelled age range		Suitable for all ages		
Requested age range		All ages		
Age range in testing		All ages		
Age Group Assessed As per Age Guideline		All ages		
	Sharp Point (1500.48)	Sharp Edge (1500.49)	Small Part (1501)	
As Received	P	NA	P	
Impact (1500.51(b))	P	NA	P	

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	Sharp Point (1500.48)	Sharp Edge (1500.49)	Small Part (1501)
Flexure (1500.53(d))	NA	NA	NA
Torque (1500.53(e))	P	NA	P
Tension (1500.52(f))	P	NA	P
Compression (1500.53(g))	NA	NA	NA

Abbreviation:

P = Pass, F = Fail, NA = Not Applicable, NR = Not Requested.

5. CPSC Flammability

As per U.S. Code of Federal Regulations title 16 Part 1500.44 for rigid and pliable solids.

Sample: 001, 002, 003, 004, 005

Result: Average burn rate < 0.1 inch/sec.

6. Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 + SOR/2018-138 - Physical & Mechanical

Sample	001, 002, 003, 004, 005
Labelled age range	Suitable for all ages
Requested age range	All ages
Age range in testing	All ages
Age Group Assessed As per Age Guideline	All ages

Section	Requirement	Evaluation
7	Small parts	P
10	Plastic edges	P
29	Dolls, Plush toys and Soft Toys - Stuffing	P
36	Plant seeds - stuffing material	P

Abbreviation:

P = Pass, F = Fail, NA = Not Applicable, NR = Not Requested.

Note:

Only applicable sections were shown.

7. Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 + SOR/2018-138 - Flammability Section 21

Sample		001, 002, 003, 004, 005
Section	Requirement	Evaluation
21	Celluloid or cellulose nitrate	P

Abbreviation:

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8. Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 + SOR/2018-138 - Flammability Section 32

Sample		001, 002, 003, 004, 005
Section	Requirement	Evaluation
32	Flammability of outer covering	P

Abbreviation:

P = Pass, F = Fail, NA = Not Applicable, NR = Not Requested.

Note:

Only applicable sections were shown.

9. AS/NZS ISO 8124.1:2023 Safety of toys - Part 1: Safety aspects related to mechanical and physical properties

Sample		001, 002, 003, 004, 005
Labelled age range		Suitable for all ages
Requested age range		All ages
Age range in testing		All ages
Age Group Assessed As per Age Guideline		All ages

Clause	Requirement	Evaluation
4	Requirements	--
4.1	General	P
4.2	Reasonably foreseeable abuse	P
4.3	Material	P
4.4	Small Parts	P
4.5	Shape, size and strength of certain toys	P
4.6	Edges	P
4.7	Points	P
4.11	Cords	P
Annex B	Safety-labelling guidelines and manufacturer's markings	--
B.2	Safety-labelling guidelines	--
B.2.2	Age grading	P
B.3	Instructional literature	--
B.3.1	Information and instructions	P
B.4	Manufacturer's markings	P

Abbreviation:

P = Pass, F = Fail, NA = Not Applicable, NR = Not Requested.

Note:

Only applicable clauses were shown.

Regd. Office:

TüV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of
electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical
testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

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10. AS/NZS ISO 8124.2:2023 Flammability

Sample		001, 002, 003, 004, 005
Clause	Requirement	Evaluation
4.1	General	P
4.5	Soft-filled toys	P

Abbreviation:

P = Pass, F = Fail, NA = Not Applicable, NR = Not Requested.

Note:

Only applicable clauses were shown.

11. ASTM F963-23 Standard Consumer Safety Specification for Toy Safety - Physical and Mechanical

Sample		001, 002, 003, 004, 005
Labelled age range		Suitable for all ages
Requested age range		All ages
Age range in testing		All ages
Age Group Assessed As per Age Guideline		All ages

Clause	Requirement	Evaluation
4	Safety Requirements	--
4.1	Material Quality	P
4.3.7	Stuffing Materials	P
4.6	Small Objects	P
4.7	Accessible Edges	P
4.9	Accessible Points	P
4.14	Cords, Straps, and Elastics	P
4.27	Stuffed and Beanbag-Type Toys	P
4.35	Pompoms	P
5	Labeling Requirements	--
5.1.2	Tracking Label	P
5.2	Age Grading Labeling	P
5.15	Promotional Materials	P
6	Instructional Literature	--
6.1	Definition and Description	P
7	Producer's Markings	--
7.1	Name and Address of the Producer or Distributor	P

Abbreviation:

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Note:

Only applicable sections were shown.

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Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

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electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

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testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

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12. ASTM F963-23 Standard Consumer Safety Specification for Toy Safety - Flammability Test of Materials Other Than Textile Materials

As per Section 4.2 of ASTM F963-23 Standard Consumer Safety Specification for Toy Safety

Sample: 001, 002, 003, 004, 005

Result: Average burn rate < 0.1 inch/sec.

13. ASTM F963-23 Standard Consumer Safety Specification for Toy Safety - Flammability Test of Textile Materials

As per Section 4.2 of ASTM F963-23 Standard Consumer Safety Specification for Toy Safety

Sample: 001, 002, 003, 004, 005

Result: Not Applicable

14. EN 71-3:2019+A1:2021-Migration of certain elements

Test with reference to EN71-3:2019+A1:2021, determination by ICP-MS.

Parameter	MDL [mg/kg]	Limit in scraped- off toy [mg/kg]	Result(s) [mg/kg]	
			006	007
Soluble Aluminum	5.00	28130	ND	ND
Soluble Antimony	5.00	560	ND	11.9
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND
Soluble Chromium III	0.04	460	0.274	0.190
Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	ND	ND
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND
Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND
Soluble Tin	2.50	180000	ND	ND
Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	23.8	13.7
Conclusion			Pass	Pass

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Shenzhen, Guangdong, China

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Fax: +86 755 8828 5299

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Parameter	MDL [mg/kg]	Limit in scraped- off toy [mg/kg]	Result(s) [mg/kg]	
			008	009
Soluble Aluminum	5.00	28130	ND	5.36
Soluble Antimony	5.00	560	11.6	ND
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND
Soluble Chromium III	0.04	460	ND	ND
Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	ND	ND
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND
Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND
Soluble Tin	2.50	180000	ND	ND
Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	ND	9.20
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped- off toy [mg/kg]	Result(s) [mg/kg]	
			010	011
Soluble Aluminum	5.00	28130	6.42	ND
Soluble Antimony	5.00	560	ND	ND
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND
Soluble Chromium III	0.04	460	0.064	ND
Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	ND	ND
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND
Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND
Soluble Tin	2.50	180000	ND	ND

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Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of
electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical
testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

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Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	7.78	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped-off toy [mg/kg]	Result(s) [mg/kg]	
			012	013
Soluble Aluminum	5.00	28130	ND	ND
Soluble Antimony	5.00	560	ND	ND
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND
Soluble Chromium III	0.04	460	1.57	0.119
Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	5.67	ND
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND
Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND
Soluble Tin	2.50	180000	ND	ND
Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	6.06	7.11
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped-off toy [mg/kg]	Result(s) [mg/kg]	
			014	015
Soluble Aluminum	5.00	28130	ND	ND
Soluble Antimony	5.00	560	ND	ND
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND
Soluble Chromium III	0.04	460	ND	ND
Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	ND	ND
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND

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Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

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Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND
Soluble Tin	2.50	180000	ND	ND
Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	ND	ND
Conclusion			Pass	Pass

Note: - Mass of trace amount of sample 014 is 98.80 mg

Parameter	MDL [mg/kg]	Limit in scraped-off toy [mg/kg]	Result(s) [mg/kg]	
			016	017
Soluble Aluminum	5.00	28130	ND	ND
Soluble Antimony	5.00	560	ND	ND
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND
Soluble Chromium III	0.04	460	1.83	0.744
Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	ND	482.1
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND
Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND
Soluble Tin	2.50	180000	ND	ND
Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	14.5	20.8
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped-off toy [mg/kg]	Result(s) [mg/kg]	
			018	019
Soluble Aluminum	5.00	28130	ND	ND
Soluble Antimony	5.00	560	ND	ND
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND

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TüV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical testing

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Soluble Chromium III	0.04	460	1.69	0.382
Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	7.02	ND
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND
Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND
Soluble Tin	2.50	180000	ND	ND
Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	17.5	12.3
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped- off toy [mg/kg]	Result(s) [mg/kg]	
			020	021
Soluble Aluminum	5.00	28130	ND	ND
Soluble Antimony	5.00	560	ND	ND
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND
Soluble Chromium III	0.04	460	ND	0.055
Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	ND	ND
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND
Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND
Soluble Tin	2.50	180000	ND	ND
Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	7.27	8.62
Conclusion			Pass	Pass

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Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

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Parameter	MDL [mg/kg]	Limit in scraped- off toy [mg/kg]	Result(s) [mg/kg]	
			022	023
Soluble Aluminum	5.00	28130	ND	ND
Soluble Antimony	5.00	560	ND	ND
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND
Soluble Chromium III	0.04	460	2.06	3.21
Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	ND	7.98
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND
Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND
Soluble Tin	2.50	180000	ND	ND
Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	12.0	11.5
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped- off toy [mg/kg]	Result(s) [mg/kg]	
			024	025
Soluble Aluminum	5.00	28130	ND	ND
Soluble Antimony	5.00	560	ND	ND
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND
Soluble Chromium III	0.04	460	0.174	0.179
Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	ND	ND
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND
Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND
Soluble Tin	2.50	180000	ND	ND

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Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

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Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	8.80	14.2
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped-off toy [mg/kg]	Result(s) [mg/kg]	
			026	027
Soluble Aluminum	5.00	28130	ND	ND
Soluble Antimony	5.00	560	ND	ND
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND
Soluble Chromium III	0.04	460	1.11	0.066
Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	ND	ND
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND
Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND
Soluble Tin	2.50	180000	ND	ND
Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	16.8	11.6
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped-off toy [mg/kg]	Result(s) [mg/kg]	
			028	029
Soluble Aluminum	5.00	28130	5.39	ND
Soluble Antimony	5.00	560	ND	ND
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND
Soluble Chromium III	0.04	460	0.114	0.050
Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	ND	ND
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND

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Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6988

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : http://www.tuvsud.cn

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Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

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Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND
Soluble Tin	2.50	180000	ND	ND
Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	19.0	9.26
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped-off toy [mg/kg]	Result(s) [mg/kg]	
			030	031
Soluble Aluminum	5.00	28130	ND	ND
Soluble Antimony	5.00	560	ND	ND
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND
Soluble Chromium III	0.04	460	ND	0.149
Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	ND	ND
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND
Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND
Soluble Tin	2.50	180000	ND	ND
Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	ND	11.9
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped-off toy [mg/kg]	Result(s) [mg/kg]	
			032	033
Soluble Aluminum	5.00	28130	ND	ND
Soluble Antimony	5.00	560	ND	ND
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND
Soluble Chromium III	0.04	460	0.074	ND

Regd. Office:

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Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuv sud.cn

Web : http://www.tuv sud.cn

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

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Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	ND	ND
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND
Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND
Soluble Tin	2.50	180000	ND	ND
Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	16.2	8.74
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped- off toy [mg/kg]	Result(s) [mg/kg]	
			034	035
Soluble Aluminum	5.00	28130	ND	ND
Soluble Antimony	5.00	560	ND	ND
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND
Soluble Chromium III	0.04	460	ND	0.040
Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	ND	ND
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND
Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND
Soluble Tin	2.50	180000	ND	ND
Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	19.6	21.1
Conclusion			Pass	Pass

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Parameter	MDL [mg/kg]	Limit in scraped- off toy [mg/kg]	Result(s) [mg/kg]	
			036	037
Soluble Aluminum	5.00	28130	ND	ND
Soluble Antimony	5.00	560	ND	ND
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND
Soluble Chromium III	0.04	460	ND	0.080
Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	ND	ND
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND
Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND
Soluble Tin	2.50	180000	ND	ND
Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	8.80	7.22
Conclusion			Pass	Pass

Note: Mass of trace amount of sample 037 is 98.30 mg

Parameter	MDL [mg/kg]	Limit in scraped- off toy [mg/kg]	Result(s) [mg/kg]	
			038	039
Soluble Aluminum	5.00	28130	ND	ND
Soluble Antimony	5.00	560	23.2	ND
Soluble Arsenic	5.00	47	ND	ND
Soluble Barium	5.00	18750	ND	ND
Soluble Boron	5.00	15000	ND	ND
Soluble Cadmium	5.00	17	ND	ND
Soluble Chromium III	0.04	460	ND	0.060
Soluble Chromium VI	0.04	0.053	ND	ND
Soluble Cobalt	5.00	130	ND	ND
Soluble Copper	5.00	7700	ND	ND
Soluble Lead	5.00	23	ND	ND
Soluble Manganese	5.00	15000	ND	ND
Soluble Mercury	5.00	94	ND	ND
Soluble Nickel	5.00	930	ND	ND
Soluble Selenium	5.00	460	ND	ND
Soluble Strontium	5.00	56000	ND	ND

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Fax: +86 755 8828 5299

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electrical testing

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testing

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Soluble Tin	2.50	180000	ND	ND
Organic Tin	7.50	12	ND	ND
Soluble Zinc	5.00	46000	ND	7.83
Conclusion			Pass	Pass

15. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 51 & 52 - Phthalates Content

Test with reference to in-house method, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					011+012+014	023+030
Bis (2-ethylhexyl) phthalate, DEHP	117-81-7	%	0.005	-	ND	ND
Dibutyl phthalate, DBP	84-74-2	%	0.005	-	ND	ND
Benzyl butyl phthalate, BBP	85-68-7	%	0.005	-	ND	ND
Diisobutylphthalate, DIBP	84-69-5	%	0.005	-	ND	ND
Sum of DBP, BBP, DEHP, DIBP	-	%	0.005	0.1	ND	ND
Di-isononyl phthalate, DINP	28553-12-0 /68515-48-0	%	0.005	-	ND	ND
Di-isodecyl phthalate, DIDP	26761-40-0 /68515-49-1	%	0.005	-	ND	ND
Di-n-octyl phthalate, DNOP	117-84-0	%	0.005	-	ND	ND
Sum of DINP, DIDP, DNOP	-	%	0.005	0.1	ND	ND
Conclusion					Pass	Pass

16. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 43 - Azocolourants Content

Test with reference to EN ISO 14362-1:2017(10.1) & (10.2), determination by GC-MS and confirmation by HPLC.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					006+009+010	007+015
4-aminobiphenyl	92-67-1	mg/kg	5.0	30	ND	ND
Benzidine	92-87-5	mg/kg	5.0	30	ND	ND
4-chloro-o-toluidine	95-69-2	mg/kg	5.0	30	ND	ND
2-naphthylamine	91-59-8	mg/kg	5.0	30	ND	ND
o-aminoazotoluene	97-56-3	mg/kg	5.0	30	ND	ND
5-nitro-o-toluidine	99-55-8	mg/kg	5.0	30	ND	ND
4-chloroaniline	106-47-8	mg/kg	5.0	30	ND	ND
2,4-diaminoanisole	615-05-4	mg/kg	5.0	30	ND	ND
4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5.0	30	ND	ND
3,3'-dichlorobenzidine	91-94-1	mg/kg	5.0	30	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	5.0	30	ND	ND

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Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : http://www.tuvsud.cn

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3,3'-dimethylbenzidine	119-93-7	mg/kg	5.0	30	ND	ND
4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5.0	30	ND	ND
p-cresidine	120-71-8	mg/kg	5.0	30	ND	ND
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	mg/kg	5.0	30	ND	ND
4,4'-oxydianiline	101-80-4	mg/kg	5.0	30	ND	ND
4,4'-thiodianiline	139-65-1	mg/kg	5.0	30	ND	ND
o-toluidine	95-53-4	mg/kg	5.0	30	ND	ND
2,4-toluenediamine	95-80-7	mg/kg	5.0	30	ND	ND
2,4,5-trimethylaniline	137-17-7	mg/kg	5.0	30	ND	ND
2-methoxyaniline	90-04-0	mg/kg	5.0	30	ND	ND
2,4-xylydine	95-68-1	mg/kg	5.0	30	ND	ND
2,6-xylydine	87-62-7	mg/kg	5.0	30	ND	ND
4-aminoazobenzene	60-09-3	mg/kg	5.0	30	ND	ND
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					013	016+017+018
4-aminobiphenyl	92-67-1	mg/kg	5.0	30	ND	ND
Benzidine	92-87-5	mg/kg	5.0	30	ND	ND
4-chloro-o-toluidine	95-69-2	mg/kg	5.0	30	ND	ND
2-naphthylamine	91-59-8	mg/kg	5.0	30	ND	ND
o-aminoazotoluene	97-56-3	mg/kg	5.0	30	ND	ND
5-nitro-o-toluidine	99-55-8	mg/kg	5.0	30	ND	ND
4-chloroaniline	106-47-8	mg/kg	5.0	30	ND	ND
2,4-diaminoanisoie	615-05-4	mg/kg	5.0	30	ND	ND
4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5.0	30	ND	ND
3,3'-dichlorobenzidine	91-94-1	mg/kg	5.0	30	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	5.0	30	ND	ND
3,3'-dimethylbenzidine	119-93-7	mg/kg	5.0	30	ND	ND
4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5.0	30	ND	ND
p-cresidine	120-71-8	mg/kg	5.0	30	ND	ND
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	mg/kg	5.0	30	ND	ND
4,4'-oxydianiline	101-80-4	mg/kg	5.0	30	ND	ND
4,4'-thiodianiline	139-65-1	mg/kg	5.0	30	ND	ND
o-toluidine	95-53-4	mg/kg	5.0	30	ND	ND
2,4-toluenediamine	95-80-7	mg/kg	5.0	30	ND	ND
2,4,5-trimethylaniline	137-17-7	mg/kg	5.0	30	ND	ND
2-methoxyaniline	90-04-0	mg/kg	5.0	30	ND	ND
2,4-xylydine	95-68-1	mg/kg	5.0	30	ND	ND
2,6-xylydine	87-62-7	mg/kg	5.0	30	ND	ND
4-aminoazobenzene	60-09-3	mg/kg	5.0	30	ND	ND
Conclusion					Pass	Pass

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Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : http://www.tuvsud.cn

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Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					021+022+024	025+026+027
4-aminobiphenyl	92-67-1	mg/kg	5.0	30	ND	ND
Benzidine	92-87-5	mg/kg	5.0	30	ND	ND
4-chloro-o-toluidine	95-69-2	mg/kg	5.0	30	ND	ND
2-naphthylamine	91-59-8	mg/kg	5.0	30	ND	ND
o-aminoazotoluene	97-56-3	mg/kg	5.0	30	ND	ND
5-nitro-o-toluidine	99-55-8	mg/kg	5.0	30	ND	ND
4-chloroaniline	106-47-8	mg/kg	5.0	30	ND	ND
2,4-diaminoanisole	615-05-4	mg/kg	5.0	30	ND	ND
4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5.0	30	ND	ND
3,3'-dichlorobenzidine	91-94-1	mg/kg	5.0	30	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	5.0	30	ND	ND
3,3'-dimethylbenzidine	119-93-7	mg/kg	5.0	30	ND	ND
4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5.0	30	ND	ND
p-cresidine	120-71-8	mg/kg	5.0	30	ND	ND
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	mg/kg	5.0	30	ND	ND
4,4'-oxydianiline	101-80-4	mg/kg	5.0	30	ND	ND
4,4'-thiodianiline	139-65-1	mg/kg	5.0	30	ND	ND
o-toluidine	95-53-4	mg/kg	5.0	30	ND	ND
2,4-toluenediamine	95-80-7	mg/kg	5.0	30	ND	ND
2,4,5-trimethylaniline	137-17-7	mg/kg	5.0	30	ND	ND
2-methoxyaniline	90-04-0	mg/kg	5.0	30	ND	ND
2,4-xylidine	95-68-1	mg/kg	5.0	30	ND	ND
2,6-xylidine	87-62-7	mg/kg	5.0	30	ND	ND
4-aminoazobenzene	60-09-3	mg/kg	5.0	30	ND	ND
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					028+029+031	032
4-aminobiphenyl	92-67-1	mg/kg	5.0	30	ND	ND
Benzidine	92-87-5	mg/kg	5.0	30	ND	ND
4-chloro-o-toluidine	95-69-2	mg/kg	5.0	30	ND	ND
2-naphthylamine	91-59-8	mg/kg	5.0	30	ND	ND
o-aminoazotoluene	97-56-3	mg/kg	5.0	30	ND	ND
5-nitro-o-toluidine	99-55-8	mg/kg	5.0	30	ND	ND
4-chloroaniline	106-47-8	mg/kg	5.0	30	ND	ND
2,4-diaminoanisole	615-05-4	mg/kg	5.0	30	ND	ND
4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5.0	30	ND	ND
3,3'-dichlorobenzidine	91-94-1	mg/kg	5.0	30	ND	ND

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3,3'-Dimethoxybenzidine	119-90-4	mg/kg	5.0	30	ND	ND
3,3'-dimethylbenzidine	119-93-7	mg/kg	5.0	30	ND	ND
4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5.0	30	ND	ND
p-cresidine	120-71-8	mg/kg	5.0	30	ND	ND
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	mg/kg	5.0	30	ND	ND
4,4'-oxydianiline	101-80-4	mg/kg	5.0	30	ND	ND
4,4'-thiodianiline	139-65-1	mg/kg	5.0	30	ND	ND
o-toluidine	95-53-4	mg/kg	5.0	30	ND	ND
2,4-toluenediamine	95-80-7	mg/kg	5.0	30	ND	ND
2,4,5-trimethylaniline	137-17-7	mg/kg	5.0	30	ND	ND
2-methoxyaniline	90-04-0	mg/kg	5.0	30	ND	ND
2,4-xylydine	95-68-1	mg/kg	5.0	30	ND	ND
2,6-xylydine	87-62-7	mg/kg	5.0	30	ND	ND
4-aminoazobenzene	60-09-3	mg/kg	5.0	30	ND	ND
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					033+036	041
4-aminobiphenyl	92-67-1	mg/kg	5.0	30	ND	ND
Benzidine	92-87-5	mg/kg	5.0	30	ND	ND
4-chloro-o-toluidine	95-69-2	mg/kg	5.0	30	ND	ND
2-naphthylamine	91-59-8	mg/kg	5.0	30	ND	ND
o-aminoazotoluene	97-56-3	mg/kg	5.0	30	ND	ND
5-nitro-o-toluidine	99-55-8	mg/kg	5.0	30	ND	ND
4-chloroaniline	106-47-8	mg/kg	5.0	30	ND	ND
2,4-diaminoanisole	615-05-4	mg/kg	5.0	30	ND	ND
4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5.0	30	ND	ND
3,3'-dichlorobenzidine	91-94-1	mg/kg	5.0	30	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	5.0	30	ND	ND
3,3'-dimethylbenzidine	119-93-7	mg/kg	5.0	30	ND	ND
4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5.0	30	ND	ND
p-cresidine	120-71-8	mg/kg	5.0	30	ND	ND
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	mg/kg	5.0	30	ND	ND
4,4'-oxydianiline	101-80-4	mg/kg	5.0	30	ND	ND
4,4'-thiodianiline	139-65-1	mg/kg	5.0	30	ND	ND
o-toluidine	95-53-4	mg/kg	5.0	30	ND	ND
2,4-toluenediamine	95-80-7	mg/kg	5.0	30	ND	ND
2,4,5-trimethylaniline	137-17-7	mg/kg	5.0	30	ND	ND
2-methoxyaniline	90-04-0	mg/kg	5.0	30	ND	ND
2,4-xylydine	95-68-1	mg/kg	5.0	30	ND	ND
2,6-xylydine	87-62-7	mg/kg	5.0	30	ND	ND
4-aminoazobenzene	60-09-3	mg/kg	5.0	30	ND	ND

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Conclusion	Pass	Pass
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Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					042
4-aminobiphenyl	92-67-1	mg/kg	5.0	30	ND
Benzidine	92-87-5	mg/kg	5.0	30	ND
4-chloro-o-toluidine	95-69-2	mg/kg	5.0	30	ND
2-naphthylamine	91-59-8	mg/kg	5.0	30	ND
o-aminoazotoluene	97-56-3	mg/kg	5.0	30	ND
5-nitro-o-toluidine	99-55-8	mg/kg	5.0	30	ND
4-chloroaniline	106-47-8	mg/kg	5.0	30	ND
2,4-diaminoaniline	615-05-4	mg/kg	5.0	30	ND
4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5.0	30	ND
3,3'-dichlorobenzidine	91-94-1	mg/kg	5.0	30	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	5.0	30	ND
3,3'-dimethylbenzidine	119-93-7	mg/kg	5.0	30	ND
4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5.0	30	ND
p-cresidine	120-71-8	mg/kg	5.0	30	ND
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	mg/kg	5.0	30	ND
4,4'-oxydianiline	101-80-4	mg/kg	5.0	30	ND
4,4'-thiodianiline	139-65-1	mg/kg	5.0	30	ND
o-toluidine	95-53-4	mg/kg	5.0	30	ND
2,4-toluenediamine	95-80-7	mg/kg	5.0	30	ND
2,4,5-trimethylaniline	137-17-7	mg/kg	5.0	30	ND
2-methoxyaniline	90-04-0	mg/kg	5.0	30	ND
2,4-xylidine	95-68-1	mg/kg	5.0	30	ND
2,6-xylidine	87-62-7	mg/kg	5.0	30	ND
4-aminoazobenzene	60-09-3	mg/kg	5.0	30	ND
Conclusion					Pass

Interpretation of test results:

- (1) In the case of the measured value per amine component ≤ 30 mg/kg and according to the analysis carried out, the azo colourants banned under the Annex XVII of Regulation (EC) No. 1907/2006, REACH are not detected in the article submitted.
- (2) Banned AZO dyes in accordance to REACH regulation (EC) No. 1907/2006 and Amendment No. 552/2009 Annex XVII Item 43 (formerly known as 2002/61/EC)

Regd. Office:

TüV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

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17. ASTM F963-23 Section 4.3.5.2 - Total Lead Content Test (Substrate Materials)

Test with reference to CPSC-CH-E1001-08.3:2012 or CPSC-CH-E1002-08.3:2012, determination by ICP-OES.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
011+012+014	mg/kg	10.0	100	ND	Pass
023+030	mg/kg	10.0	100	ND	Pass

18. ASTM F963-23 Section 4.3.5.1 & Section 4.3.5.2 - Soluble Heavy Elements

Test with reference to ASTM F963-23 Section 8.3, determination by ICP-MS.

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			006	007
Soluble Antimony (Sb)	5.0	60	ND	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			008	009
Soluble Antimony (Sb)	5.0	60	ND	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

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Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			010	011
Soluble Antimony (Sb)	5.0	60	ND	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			012	013
Soluble Antimony (Sb)	5.0	60	ND	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			014	015
Soluble Antimony (Sb)	5.0	60	ND	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

Note: - Mass of trace amount of sample 014 is 98.80 mg

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TüV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

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electrical testing

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Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			016	017
Soluble Antimony (Sb)	5.0	60	ND	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			018	019
Soluble Antimony (Sb)	5.0	60	ND	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			020	021
Soluble Antimony (Sb)	5.0	60	ND	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

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Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			022	023
Soluble Antimony (Sb)	5.0	60	ND	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			024	025
Soluble Antimony (Sb)	5.0	60	ND	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			026	027
Soluble Antimony (Sb)	5.0	60	ND	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

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Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of
electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical
testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

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Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			028	029
Soluble Antimony (Sb)	5.0	60	ND	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			030	031
Soluble Antimony (Sb)	5.0	60	ND	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			032	033
Soluble Antimony (Sb)	5.0	60	ND	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

Regd. Office:

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Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of
electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical
testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

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Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			034	035
Soluble Antimony (Sb)	5.0	60	ND	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			036	037
Soluble Antimony (Sb)	5.0	60	ND	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

Note: Mass of trace amount of sample 037 is 98.30 mg

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			038	039
Soluble Antimony (Sb)	5.0	60	9.27	ND
Soluble Arsenic (As)	2.5	25	ND	ND
Soluble Barium (Ba)	5.0	1000	ND	ND
Soluble Cadmium (Cd)	5.0	75	ND	ND
Soluble Chromium (Cr)	5.0	60	ND	ND
Soluble Lead (Pb)	5.0	90	ND	ND
Soluble Mercury (Hg)	5.0	60	ND	ND
Soluble Selenium (Se)	5.0	500	ND	ND
Conclusion			Pass	Pass

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TüV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

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Web : http://www.tuv-sud.cn

Lab 1 - Chemical testing and part of
electrical testing

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testing

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Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]
			040
Soluble Antimony (Sb)	5.0	60	ND
Soluble Arsenic (As)	2.5	25	ND
Soluble Barium (Ba)	5.0	1000	ND
Soluble Cadmium (Cd)	5.0	75	ND
Soluble Chromium (Cr)	5.0	60	ND
Soluble Lead (Pb)	5.0	90	ND
Soluble Mercury (Hg)	5.0	60	ND
Soluble Selenium (Se)	5.0	500	ND
Conclusion			Pass

Remark: 1. Adjusted analytical result.

19. ASTM F963-23 Section 4.3.8 - Phthalates

Test with reference to in-house method, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					011+012+014	023+030
Dibutyl phthalate (DBP)	84-74-2	%	0.005	0.1	ND	ND
Benzyl butyl phthalate (BBP)	85-68-7	%	0.005	0.1	ND	ND
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	%	0.005	0.1	ND	ND
Di-isononyl phthalate (DINP)	28553-12-0 /68515-48-0	%	0.005	0.1	ND	ND
Diisobutylphthalate (DIBP)	84-69-5	%	0.005	0.1	ND	ND
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	ND	ND
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	ND	ND
Conclusion					Pass	Pass

20. 15 U.S.C. § 1278a / CPSIA section 101(a)(2) - Total lead content (Substrate)

Test with reference to CPSC-CH-E1001-08.3:2012 or CPSC-CH-E1002-08.3:2012, determination by ICP-OES.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
011+012+014	mg/kg	10.0	100	ND	Pass
023+030	mg/kg	10.0	100	ND	Pass

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21. CPSIA, § 108, 16 CFR 1307- Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates

Test with reference to in-house method, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					011+012+014	023+030
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	ND	ND
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	ND	ND
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	ND	ND
Di-isononyl phthalate, (DINP)	28553-12-0 /68515-48-0	%	0.005	0.1	ND	ND
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	ND	ND
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	ND	ND
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	ND	ND
Conclusion					Pass	Pass

22. US California Proposition 65 (Alameda County Superior Court RG-07-356892)- Total Lead Content

Test with reference to CPSC-CH-E1003-09.1:2011, CPSC-CH-E1001-08.3:2012 or CPSC-CH-E1002-08.3:2012, determination by ICP-OES.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
011+012+014	mg/kg	10.0	100	ND	Pass
023+030	mg/kg	10.0	100	ND	Pass

23. US California Proposition 65 (Alameda BG07350969) - Phthalates Content

Test with reference to in-house method, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					011+012+014	023+030
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	ND	ND
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	ND	ND
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	ND	ND
Di-isodecyl phthalate, (DIDP)	26761-40-0 /68515-49-1	%	0.005	0.1	ND	ND
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	ND	ND
Conclusion					Pass	Pass

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Shenzhen, Guangdong, China

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Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

24. Canada Consumer Products Containing Lead Regulations (SOR/2018-83) -Total Lead Content

Test with reference to CPSC-CH-E1003-09.1:2011, CPSC-CH-E1001-08.3:2012 or CPSC-CH-E1002-08.3:2012, determination by ICP-OES.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
011+012+014	mg/kg	10.0	90	ND	Pass
023+030	mg/kg	10.0	90	ND	Pass

25. Canada Phthalates Regulations (SOR/2016-188) - Phthalates Content

Test with reference to In house method, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					011+012+014	023+030
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	ND	ND
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	ND	ND
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	ND	ND
Di-n-octyl phthalate, (DNOP)	117-84-0	%	0.005	0.1	ND	ND
Di-isononyl phthalate, (DINP)	28553-12-0 /68515-48-0	%	0.005	0.1	ND	ND
Di-isodecyl phthalate, (DIDP)	26761-40-0 /68515-49-1	%	0.005	0.1	ND	ND
Conclusion					Pass	Pass

26. Canada Toys Regulations SOR/2011-17 Section 27(3)(a) &(b) - Total Lead

Test with reference to CPSC-CH-E1002-08.3 , determination by ICP-OES.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
011+012+014	mg/kg	10.0	90	ND	Pass
023+030	mg/kg	10.0	90	ND	Pass

Regd. Office:

TüV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuv sud.com

Web : http://www.tuv sud.cn

Lab 1 - Chemical testing and part of
electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical
testing

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27. Canada Toys Regulations SOR/2011-17 Section 27(3)(a) &(b) - Migration of certain 7 Elements

Test with reference to ASTM F963-23 Section 8.3, analysis was performed by ICP-MS.

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			011	012
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Selenium	5.0	500	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Barium	5.0	1000	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			014	023
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Selenium	5.0	500	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Barium	5.0	1000	ND	ND
Conclusion			Pass	Pass

Note: - Mass of trace amount of sample 014 is 98.80 mg

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]
			030
Soluble Antimony	5.0	60	ND
Soluble Arsenic	5.0	25	ND
Soluble Cadmium	5.0	75	ND
Soluble Selenium	5.0	500	ND
Soluble Mercury	5.0	60	ND
Soluble Chromium	5.0	60	ND
Soluble Barium	5.0	1000	ND
Conclusion			Pass

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28. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 23 - Cadmium Content

Test with reference to EPA 3052:1996 microwave digestion or acid digestion, determination by ICP-OES.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
011+012+014	mg/kg	10.0	100	ND	Pass
023+030	mg/kg	10.0	100	ND	Pass

29. AS/NZS ISO 8124.3:2021 Amd 1:2023 Migration Heavy Metal Content

Test with reference to AS/NZS ISO 8124.3:2021 Amd 1:2023(E), determination by ICP-MS.

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			006	007
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			008	009
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

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Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			010	011
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			012	013
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			014	015
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

Note: - Mass of trace amount of sample 014 is 98.80 mg

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Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			016	017
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			018	019
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			020	021
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

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Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			022	023
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			024	025
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			026	027
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

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Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			028	029
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			030	031
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			032	033
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

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Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			034	035
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			036	037
Soluble Antimony	5.0	60	ND	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

Note: Mass of trace amount of sample 037 is 98.30 mg

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			038	039
Soluble Antimony	5.0	60	9.3	ND
Soluble Arsenic	5.0	25	ND	ND
Soluble Barium	5.0	1000	ND	ND
Soluble Cadmium	5.0	75	ND	ND
Soluble Chromium	5.0	60	ND	ND
Soluble Lead	5.0	90	ND	ND
Soluble Mercury	5.0	60	ND	ND
Soluble Selenium	5.0	500	ND	ND
Conclusion			Pass	Pass

Remark: 1. Adjusted analytical result.

-End of Test Report-

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