



## Test Report

Report No.: C220921068EN

Date: Sep. 29, 2022

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Applicant : TIANJINZHICHENGDIANZISHANGWUYOUXIAN GONGSI  
Address : CN, 301700, tian jin, wu qing qu, wu qing qu, xia zhu zhuang jie dao guang xiandao, fu xing yu yuan 1 hao lou 2 meng 902 hao

The following information was submitted and identified by/on behalf of the client as:

Sample Name : Baby mobile  
Color : Grey  
Item No. : PDZ142901 PDZ142101 PDZ143901 PDZ143902 PDZ134503 PDZ134502  
PDZ134501 PDZ143302 PDZ143301  
Age Group : 3years+  
Country of Origin : China  
Exported To : Europe  
Receive Date : Sep. 21, 2022  
Test Period : Sep. 21, 2022 to Sep. 29, 2022  
Test Method : Please refer to the next page(s).  
Test Result(s) : Please refer to the next page(s).



Sep. 29, 2022

Edited by: Nova Reviewed by: Steven

Authorized signature: Kal  
Laboratory Manager: Kal Zou

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### Results Summary:

Test Items	PASS	FAIL	NA	Remark
1. Mechanical and physical - EN71-1:2014+A1:2018.	X			
2. Flammability - EN71-2:2020.	X			
3. Mechanical and physical - BS EN71-1:2014+A1:2018.	X			
4. Flammability - BS EN71-2:2020.	X			
5. Migration of certain elements - EN71-3:2019+A1:2021.	X			
6. Migration of certain elements - BS EN71-3:2019+A1:2021.	X			
7. Total Lead(Pb) Content - Annex XVII items 63 of the REACH Regulation (EC) No. 1907/2006.	X			
8. Total Cadmium(Cd) Content - Annex XVII items 23 of the REACH Regulation (EC) No. 1907/2006.	X			
9. Phthalates Content - Annex XVII items 51 & 52 of the REACH Regulation (EC) No. 1907/2006.			X	

**Remark:** NA = Not Applicable.

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### Test Component(s) Description:

Component No.	Component Description	Location
<u>01</u>	/	Kid wind bell
<u>02</u>	Wood	Cloud
<u>03</u>	Blue textile	Ball of fur

### Test Result(s):

#### 1. Mechanical and Physical Properties according to EN71-1

**Test Method:** EN71-1: 2014 + A1:2018, Safety of toys-Part 1: Mechanical and physical properties

Labeled age grading : Not specified

Applicant's specified age group for testing : 3+years

Age grading for testing : 3+years

Clause	Test Items	Assessment
		<b>01</b>
<b>4.</b>	<b>Safety Requirements</b>	
4.1	Material cleanliness (by visual assessment)	PASS
4.2	Assembly	PASS
4.3	Flexible plastic sheeting	PASS
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	PASS
4.8	Points and metallic wires	PASS
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving mechanisms	NA
4.10.3	Hinges	NA
4.10.4	Springs	NA
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA

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Clause	Test Items	Assessment
		<b>01</b>
4.17	Projectiles	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy disguise costumes	NA
4.27	Flying toys	NA
4.27.1	General	NA
4.27.2	Rotors and propellers on flying toys	NA
4.27.3	Rotors and propellers on remote controlled flying toys	NA
<b>5.</b>	<b>Toys intended for children under 36 months</b>	
5.1	General requirements	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid-filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
<b>6</b>	<b>Packaging</b>	NA
<b>7</b>	<b>Warnings, markings and instructions for use</b>	
7.1	General	PASS
7.2	Toys not intended for children under 36 months	PASS

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Clause	Test Items	Assessment
		<b>01</b>
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectiles	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	NA
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

**Note:** 1. NA = Not Applicable.

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### Labeling requirements:

#### Directive 2009/48/EC - Safety of toys

<u>Test Item(s)</u>	<u>Assessment(s)</u>
Washing/Cleaning instruction	NA
Importer's Name	PASS
Importer's Address	PASS
Manufacturer's Name	PASS
Manufacturer's Address	PASS
Product ID	PASS
CE mark	PASS

#### Note:

1. Above are additional information according to Directive 2009/48/EC requirement. These information also appears as a note within the EN 71 but are not standard requirements and not accredited.
2. According to Directive 2009/48/EC, 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 soak washed. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.
3. The manufacturer's name and registered trade name or registered trade mark and the address at which the manufacturer can be contacted shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy. This requirement applies also to the name and address etc. of any importer.
4. Manufacturers shall ensure that their toys 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.
5. CE marking should be visible from outside the packaging and its height must be at least 5 mm.
6. NA = Not Applicable.

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**2. Flammability according to EN71-2**

**Test Method:** EN71-2:2020, Safety of toys-Part 2:Flammability

Clause	Test Items	Assessment
		<b>01</b>
<b>4.</b>	<b>Requirements</b>	
4.1	General requirements	PASS
4.2	Toys to be worn on the head	NA
4.2.1	General	NA
4.2.2	Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude 50 mm or more from the surface of the toy	NA
4.2.3	Beards, moustaches, wigs, etc., made from pile or flowing elements which which protrude less than 50 mm from the surface of the toy	NA
4.2.4	Full or partial moulded head masks	NA
4.2.5	Toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, headdresses including upward protruding items and masks not covered by 4.2.4 which partially or fully cover the head ,but excluding those items covered by 4.3	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft-filled toys	NA

**Note:** 1. NA = Not Applicable.

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**3. Mechanical and Physical Properties according to BS EN71-1**

**Test Method:** BS EN71-1: 2014 + A1:2018, Safety of toys-Part 1: Mechanical and physical properties

Labeled age grading : Not specified  
Applicant's specified age group for testing : 3+years  
Age grading for testing : 3+years

Clause	Test Items	Assessment
		<b>01</b>
<b>4.</b>	<b>Safety Requirements</b>	
4.1	Material cleanliness (by visual assessment)	PASS
4.2	Assembly	PASS
4.3	Flexible plastic sheeting	PASS
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	PASS
4.8	Points and metallic wires	PASS
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving mechanisms	NA
4.10.3	Hinges	NA
4.10.4	Springs	NA
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA

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Clause	Test Items	Assessment
		<b>01</b>
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy disguise costumes	NA
4.27	Flying toys	NA
4.27.1	General	NA
4.27.2	Rotors and propellers on flying toys	NA
4.27.3	Rotors and propellers on remote controlled flying toys	NA
<b>5.</b>	<b>Toys intended for children under 36 months</b>	
5.1	General requirements	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid-filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
<b>6</b>	<b>Packaging</b>	NA
<b>7</b>	<b>Warnings, markings and instructions for use</b>	
7.1	General	PASS
7.2	Toys not intended for children under 36 months	PASS
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectiles	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	NA

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Clause	Test Items	Assessment
		<b>01</b>
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

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### Labeling requirements:

#### The Toys (Safety) Regulations 2011 (S.I. 2011/1881)

<u>Test Item(s)</u>	<u>Assessment(s)</u>
Washing/Cleaning instruction	NA
Importer's Name	PASS
Importer's Address	PASS
Manufacturer's Name	PASS
Manufacturer's Address	PASS
Product ID	PASS
CE mark	PASS
UKCA mark	PASS

#### Note:

1. Above are additional information according to Directive 2009/48/EC requirement. These information also appears as a note within the EN 71 but are not standard requirements and not accredited.
2. According to Directive 2009/48/EC, 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 soak washed. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.
3. The manufacturer's name and registered trade name or registered trade mark and the address at which the manufacturer can be contacted shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy. This requirement applies also to the name and address etc. of any importer.
4. Manufacturers shall ensure that their toys 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.
5. CE marking should be visible from outside the packaging and its height must be at least 5 mm.
6. The UKCA marking is at least 5mm in height. And the UKCA marking is easily visible, legible.
7. NA = Not Applicable.

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**4. Flammability according to BS EN71-2**

**Test Method:** BS EN71-2:2020, Safety of toys-Part 2:Flammability

Clause	Test Items	Assessment
		<b>01</b>
<b>4.</b>	<b>Requirements</b>	
4.1	General requirements	PASS
4.2	Toys to be worn on the head	NA
4.2.1	General	NA
4.2.2	Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude 50 mm or more from the surface of the toy	NA
4.2.3	Beards, moustaches, wigs, etc., made from pile or flowing elements which which protrude less than 50 mm from the surface of the toy	NA
4.2.4	Full or partial moulded head masks	NA
4.2.5	Toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, headdresses including upward protruding items and masks not covered by 4.2.4 which partially or fully cover the head ,but excluding those items covered by 4.3	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft-filled toys	NA

**Note:** 1. NA = Not Applicable.

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### 5. Migration of certain elements according to EN71-3

**Test Method:** EN71-3:2019+A1:2021, Safety of toys-Part 3: Migration of certain elements

<u>Test Items</u>	<u>Limit</u>	<u>Unit</u>	<u>RL</u>	<u>02</u>	<u>03</u>
	Category III				
Soluble Aluminum (Al)	28130	mg/kg	50	ND	ND
Soluble Antimony (Sb)	560	mg/kg	5	ND	ND
Soluble Arsenic (As)	47	mg/kg	0.5	ND	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND	ND
Soluble Boron (B)	15000	mg/kg	50	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	0.1	0.2	ND
Soluble Chromium (III)	460	mg/kg	0.1	ND	0.2
Soluble Chromium (VI)	0.053	mg/kg	0.016	ND	ND
Soluble Cobalt (Co)	130	mg/kg	2	ND	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND	ND
Soluble Lead (Pb)	23	mg/kg	0.1	1.0	ND
Soluble Manganese (Mn)	15000	mg/kg	50	86	ND
Soluble Mercury (Hg)	94	mg/kg	1	ND	ND
Soluble Nickel (Ni)	930	mg/kg	5	ND	ND
Soluble Selenium (Se)	460	mg/kg	5	ND	ND
Soluble Strontium (Sr)	56000	mg/kg	50	ND	ND
Soluble Tin (Sn)	180000	mg/kg	0.3	ND	ND
Soluble Organic Tin	12	mg/kg	5	---	---
Soluble Zinc (Zn)	46000	mg/kg	50	ND	ND
<b>Conclusion(s)</b>				PASS	PASS

- Note:**
1. RL = Reporting Limit;
  2. ND = Not Detected (Less than RL);
  3. 1000mg/kg(milligrams per kilogram) = 1000ppm(part per million) = 0.1%;
  4. "---" = Soluble organic tin were not directly determined and were derived from result of soluble tin. The result is pass.
  5. Result(s) of organic tin reported was/were the sum of Methyltin (MeT),Dimethyltin (DMT),Butyltin (BuT), Dibutyltin(DBT), Tributyltin(TBT),Tetrabutyltin(TeBT), Monoctyltin(MOT), Di-n-octyltin(DOT), Di-n-propyltin(DProT), Di-n-propyltin(DProT), Diphenyltin(DPhT) and Triphenyltin(TPhT) expressed as TBT.

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### 6. Migration of certain elements according to BS EN71-3

**Test Method:** BS EN71-3:2019+A1:2021, Safety of toys-Part 3: Migration of certain elements

<u>Test Items</u>	<u>Limit</u>	<u>Unit</u>	<u>RL</u>	<u>02</u>	<u>03</u>
	Category III				
Soluble Aluminum (Al)	28130	mg/kg	50	ND	ND
Soluble Antimony (Sb)	560	mg/kg	5	ND	ND
Soluble Arsenic (As)	47	mg/kg	0.5	ND	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND	ND
Soluble Boron (B)	15000	mg/kg	50	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	0.1	0.2	ND
Soluble Chromium (III)	460	mg/kg	0.1	ND	0.2
Soluble Chromium (VI)	0.053	mg/kg	0.016	ND	ND
Soluble Cobalt (Co)	130	mg/kg	2	ND	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND	ND
Soluble Lead (Pb)	23	mg/kg	0.1	1.0	ND
Soluble Manganese (Mn)	15000	mg/kg	50	86	ND
Soluble Mercury (Hg)	94	mg/kg	1	ND	ND
Soluble Nickel (Ni)	930	mg/kg	5	ND	ND
Soluble Selenium (Se)	460	mg/kg	5	ND	ND
Soluble Strontium (Sr)	56000	mg/kg	50	ND	ND
Soluble Tin (Sn)	180000	mg/kg	0.3	ND	ND
Soluble Organic Tin	12	mg/kg	5	---	---
Soluble Zinc (Zn)	46000	mg/kg	50	ND	ND
<b>Conclusion(s)</b>				PASS	PASS

- Note:**
1. RL = Reporting Limit;
  2. ND = Not Detected (Less than RL);
  3. 1000mg/kg(milligrams per kilogram) = 1000ppm(part per million) = 0.1%;
  4. "---" = Soluble organic tin were not directly determined and were derived from result of soluble tin. The result is pass.
  5. Result(s) of organic tin reported was/were the sum of Methyltin (MeT),Dimethyltin (DMT),Butyltin (BuT), Dibutyltin(DBT), Tributyltin(TBT),Tetrabutyltin(TeBT), Monoctyltin(MOT), Di-n-octyltin(DOT), Di-n-propyltin(DProT), Di-n-propyltin(DProT), Diphenyltin(DPhT) and Triphenyltin(TPhT) expressed as TBT.

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### 7. Total Lead(Pb) content according to REACH

**Test Method:** With reference to US EPA 3050B, US EPA 3052. The lead content analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) / Flame Atomic Absorption Spectrometry (FAAS)

<u>Component No.</u>	<u>Lead(Pb)</u>				<u>Conclusion(s)</u>
	<u>Unit</u>	<u>RL</u>	<u>Limit</u>	<u>Result(s)</u>	
<u>03</u>	mg/kg	10	500	ND	PASS

- Note:**
1. RL = Reporting Limit;
  2. ND = Not Detected (Less than RL);
  3. 1000mg/kg(milligrams per kilogram) = 1000ppm(part per million) = 0.1%.

### 8. Total Cadmium(Cd) content according to REACH

**Test Method:** With reference to US EPA 3050B, US EPA 3052. The cadmium content analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) / Flame Atomic Absorption Spectrometry (FAAS)

<u>Component No.</u>	<u>Cadmium(Cd)</u>				<u>Conclusion(s)</u>
	<u>Unit</u>	<u>RL</u>	<u>Limit</u>	<u>Result(s)</u>	
<u>03</u>	mg/kg	5	100	ND	PASS

- Note:**
1. RL = Reporting Limit;
  2. ND = Not Detected (Less than RL);
  3. 1000mg/kg(milligrams per kilogram) = 1000ppm(part per million) = 0.1%.

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### 9. Phthalates Content according to REACH

**Test Method:** With reference to CPSC-CH-C1001-09.4, analyzed by Gas Chromatograph-Mass Spectrometry(GC-MS).

Following four phthalates intended for toys and childcare articles

<u>Test Items</u>	<u>CAS No.</u>	<u>Unit</u>	<u>RL</u>	<u>Limit</u>	<u>Result(s)</u>
Dibutyl phthalate (DBP)	84-74-2	mg/kg	30	--	NA
Butyl benzyl phthalate (BBP)	85-68-7	mg/kg	30	--	
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	mg/kg	30	--	
Di-iso-butyl phthalate (DIBP)	84-69-5	mg/kg	30	--	
Sum of DBP, BBP, DEHP and DIBP	--	mg/kg	--	1000	

Following three phthalates intended for toys that can be placed in the mouth and childcare articles

<u>Test Items</u>	<u>CAS No.</u>	<u>Unit</u>	<u>RL</u>	<u>Limit</u>	<u>Result(s)</u>
Di- <i>n</i> -octyl phthalate (DNOP)	117-84-0	mg/kg	30	--	NA
Di- <i>iso</i> -nonyl phthalate (DINP)	28553-12-0	mg/kg	100	--	
Di- <i>iso</i> -decyl phthalate (DIDP)	26761-40-0	mg/kg	100	--	
Sum of DNOP, DINP and DIDP	--	mg/kg	--	1000	

**Note:** 1. NA = Not Applicable.

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Sample Photo(s):



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\*\*\*End of Report\*\*\*

**NOTE:**

If there is question or concern regarding the above results, please contact us: [compliance@crt-lab.com](mailto:compliance@crt-lab.com)

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