

Test Report

No.: 68.452.22.1951.01R2

Date: 2022-09-09



Greater China

Applicant: BTL Diffusion
Address: 16, rue Anatole Moussu - ZA Méré Nord Est
78490 Méré, France
Sample Name: LoveLight Buddies- Finley Fawn
LoveLight Buddies- Drake the Dragon
LoveLight Buddies- Lily the Unicorn
LoveLight Buddies- Billy Bunny
Style No.: 7700-BD,7701-DR
7702-UC,7703-BB
Country of Origin: CHINA
Receipt Date of Sample: 2022-06-20, 2022-06-28, 2022-07-01, 2022-07-27, 2022-08-01, 2022-08-11
Date of Testing: From 2022-06-20 to 2022-08-18
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. EN IEC 62115:2020+A11:2020 Electric toys - safety	Pass
4. BS EN 71-1:2014+A1:2018 Mechanical and Physical Properties	Pass
5. BS EN 71-2:2020 Flammability	Pass
6. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety - Physical and Mechanical	Pass
7. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety - Flammability Test of Materials Other Than Textile Materials	Pass
8. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety - Section 4.25.1 ~ 4.25.9 Battery-Operated Toys	Pass
9. Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 Tracking labels for children's products	Pass
10. Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 + SOR/2018-138 - Physical & Mechanical	Pass
11. Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 + SOR/2018-138 - Flammability	Pass
12. AS/NZS ISO 8124.1:2019+AMD1:2020+AMD2:2020 Safety of toys - Part 1: Safety aspects related to mechanical and physical properties - AMENDMENT 1: Flying toys - AMENDMENT 2: Various	Pass
13. AS/NZS 8124.2:2016 Flammability	Pass
14. AS/NZS 62115: 2018 Electric toys – safety	Pass

Remarks: 1. NA=Not Applicable

Laboratory:
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

Regd. Office:
TÜV SÜD Certification and Testing (China) Co., Ltd.
Shanghai Branch, TÜV SÜD Group
Building 12&13, Zhiheng Wisdomland Business Park,
Guankou Erlu, Nantou, Nanshan District, Shenzhen,
Guangdong, China

Test Report

No.: 68.452.22.1951.01R2

Date: 2022-09-09



Greater China

2. The test item and sample were specified by the client.
3. This report supersedes previous report 68.452.22.1951.01R1 issued on 2022-08-26. As per client's request, updated the "sample name" on page 1,3,4 and "photo" on page 3.

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

Prepared by:

Authorized by:



Eva Liang
Project Manager

Marlon Zeng
Section Manager

Note:



- (1) The TÜV SÜD Certification and Testing (China) Co., Ltd. "General Terms & Conditions" applied.
Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.
For further details, please see "Testing and certification regulation", chapter A-3.4
For full version, please visit: EN : <https://www.tuvsud.cn/zh-cn/resource/terms-and-conditions---en> ; SCN: <https://www.tuvsud.cn/zh-cn/terms-and-conditions> ; TCN: <https://www.tuvsud.com/zh-tw/terms-and-conditions>
- (2) The results relate only to the items tested.
- (3) The test report shall not be reproduced except in full without the written approval of the laboratory
- (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%.

Laboratory:
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>

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

Description of Tested Subject:

Sample	Description	Photo
A	LoveLight Buddies- Finley Fawn LoveLight Buddies- Drake the Dragon LoveLight Buddies- Lily the Unicorn LoveLight Buddies- Billy Bunny	
002	LoveLight Buddies- Finley Fawn (Whole product)	

Sample	Description	Photo
003	LoveLight Buddies- Drake the Dragon (Whole product)	
004	LoveLight Buddies- Lily the Unicorn (Whole product)	
005	LoveLight Buddies- Billy Bunny (Whole product)	

T. No	Sample	Description
T1	002	LoveLight Buddies- Finley Fawn (Whole product)
T2	003	LoveLight Buddies- Drake the Dragon (Whole product)
T3	004	LoveLight Buddies- Lily the Unicorn (Whole product)
T4	005	LoveLight Buddies- Billy Bunny (Whole product)

Test Result(s):

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

Sample	002, 003, 004, 005
Labelled age range	0m+
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
4.20	Acoustics	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
5.8	Shape and size of certain toys	P
7	Warnings, markings and instructions for use	#1
7.1	General	P

Abbreviation:

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

Note:

Only applicable clauses were shown.

Remark:

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

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.

2. EN 71-2:2020 Flammability

Sample	002, 003, 004, 005
--------	--------------------

Clause	Requirement	Evaluation
4.1	General Requirement	P
4.5	Soft-filled toys	P

Laboratory:

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

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



Abbreviation:

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

Note:

Only applicable clauses were shown.

3. EN IEC 62115:2020+A11:2020 Electric toys - safety

Sample	002, 003, 004, 005
Labelled age range	0m+
Requested age range	All ages
Age range in testing	All ages
Age Group Assessed As per Age Guideline	All ages

Clause	Requirement	Evaluation
7	Marking and Instructions ^{#1}	P
9	Heating and abnormal operation	P
10	Electric strength	P
12	Mechanical strength	P
13	Construction	P
14	Protection of cord and wires	P
15	Components	P ^{#2}
16	Screws and connections	P
17	Creepage distances and clearances	P
18	Resistance to heat and fire	P
19	Radiation and similar hazards	P ^{#3}

Abbreviation:

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

Note:

- Only applicable clauses were shown.

Remark:

^{#1}= Only the English version of the marking was assessed. According to the standard, instruction sheets and other texts required by the standard shall be written in the official language of the country in which the product is to be sold.

^{#2}= According to clause 15 of EN IEC 62115, Secondary batteries supplied with electric toys shall comply with IEC 62133.

^{#3}= Visible Accessible Emission Assessment:

RED:

Measurement distance 200mm

Hazard	Wavelength Range	Hazard Weighting Function	AEL	Measured Value	Result
Visible light AEL (Children 3 years or younger)	400 ≤ λ < 780nm	A(λ)	1 W·m ⁻²	0.000044 W·m ⁻²	Pass
Visible light AEL (Children older than 3 years)	400 ≤ λ < 780 nm	B(λ)	1 W·m ⁻²	0.000001 W·m ⁻²	Pass

Green:

Measurement distance 200mm

Laboratory:

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

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

Hazard	Wavelength Range	Hazard Weighting Function	AEL	Measured Value	Result
Visible light AEL (Children 3 years or yonger)	$400 \leq \lambda < 780\text{nm}$	A(λ)	$1 \text{ W}\cdot\text{m}^{-2}$	$0.001288 \text{ W}\cdot\text{m}^{-2}$	Pass
Visible light AEL (Children older than 3 years)	$400 \leq \lambda < 780 \text{ nm}$	B(λ)	$1 \text{ W}\cdot\text{m}^{-2}$	$0.000355 \text{ W}\cdot\text{m}^{-2}$	Pass

Blue:

Measurement distance 200mm

Hazard	Wavelength Range	Hazard Weighting Function	AEL	Measured Value	Result
Visible light AEL (Children 3 years or yonger)	$400 \leq \lambda < 780\text{nm}$	A(λ)	$1 \text{ W}\cdot\text{m}^{-2}$	$0.007814 \text{ W}\cdot\text{m}^{-2}$	Pass
Visible light AEL (Children older than 3 years)	$400 \leq \lambda < 780 \text{ nm}$	B(λ)	$1 \text{ W}\cdot\text{m}^{-2}$	$0.007791 \text{ W}\cdot\text{m}^{-2}$	Pass

Yellow:

Measurement distance 200mm

Hazard	Wavelength Range	Hazard Weighting Function	AEL	Measured Value	Result
Visible light AEL (Children 3 years or yonger)	$400 \leq \lambda < 780\text{nm}$	A(λ)	$1 \text{ W}\cdot\text{m}^{-2}$	$0.000031 \text{ W}\cdot\text{m}^{-2}$	Pass
Visible light AEL (Children older than 3 years)	$400 \leq \lambda < 780 \text{ nm}$	B(λ)	$1 \text{ W}\cdot\text{m}^{-2}$	$0.000001 \text{ W}\cdot\text{m}^{-2}$	Pass

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

Sample	002, 003, 004, 005
Labelled age range	0m+
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
4.20	Acoustics	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
5.8	Shape and size of certain toys	P
7	Warnings, markings and instructions for use	#1
7.1	General	P

Abbreviation:

Laboratory:
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

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



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

Note:

Only applicable clauses were shown.

Remark:

#1= According to the UK Toys (Safety) Regulations 2011 No. 1881 the following safety requirements apply regarding cleaning and washing: "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 toy must fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions." The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned. This information is not exhaustive and the UK Toys (Safety) Regulations 2011 No. 1881 and the associated guidance documents should be consulted for further details.

5. BS EN 71-2:2020 Flammability

Sample		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.

6. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety - Physical and Mechanical

Sample		002, 003, 004, 005
Labelled age range		0m+
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
4.5	Sound-Producing toys	P
4.6	Small Objects	P
4.7	Accessible Edges	P
4.9	Accessible Points	P
4.11	Nails and Fasteners	P
4.14	Cords, Straps, and Elastics	P
4.27	Stuffed and Beanbag-Type Toys	P
5	Labeling Requirements	--
5.2	Age Grading Labeling	P

Clause	Requirement	Evaluation
5.15	Battery-Operated Toys	P
5.16	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:

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

Note:

Only applicable sections were shown.

7. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety - Flammability Test of Materials Other Than Textile Materials

As per Section 4.2 of ASTM F963-17 Standard Consumer Safety Specification for Toy Safety

Sample: 002, 003, 004, 005

Result: Average burn rate < 0.1 inch/sec.

8. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety - Section 4.25.1 ~ 4.25.9 Battery-Operated Toys

Sample	002, 003, 004, 005
Labelled age range	0m+
Requested age range	All ages
Age range in testing	All ages
Age Group Assessed As per Age Guideline	All ages

Clause	Requirement	Evaluation
4.25	Battery-Operated Toys	
4.25.2	DC Potential between two accessible electrical point	P
4.25.4	All batteries shall not be accessible before and after testing for toys for children under 3 years	P
4.25.7	The surface of batteries shall not achieve temperatures exceeding 71°C	P
4.25.8	Toys should not fail the temperature requirements of 4.25.7 or present a combustion hazard.	P

Abbreviation:

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

Note:

- Only applicable clauses were shown.



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

Sample		002, 003, 004, 005
Section	Requirement	Evaluation
Tracking labels for children's product	Tracking labels for children's products Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008	P

Abbreviation:

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

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.

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

Sample		002, 003, 004, 005
Labelled age range		0m+
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
13	Fasteners	P
19	Decibel limit	P
20	Heated surfaces, parts or substances	P
28	Dolls, Plush toys and Soft Toys - Fastening	P
29	Dolls, Plush toys and Soft Toys - Stuffing	P
35	Plant seeds - noise	P
36	Plant seeds - stuffing material	P

Abbreviation:

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

Note:

Only applicable sections were shown.

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

Sample		002, 003, 004, 005
Section	Requirement	Evaluation
21	Celluloid or cellulose nitrate	P
32	Flammability of outer covering	P

Abbreviation:

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

Note:

Only applicable section was shown.

12. AS/NZS ISO 8124.1:2019+AMD1:2020+AMD2:2020 Safety of toys - Part 1: Safety aspects related to mechanical and physical properties - AMENDMENT 1: Flying toys - AMENDMENT 2: Various

Sample		002, 003, 004, 005
Labelled age range		0m+
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	Normal use	P
4.2	Reasonably foreseeable abuse	P
4.3	Materials	P
4.4	Small Parts	P
4.6	Edges	P
4.7	Points	P
4.11	Cords	P
4.29	Acoustic requirements	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 marking	P

Abbreviation:

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

Note:

Only applicable clauses were shown.



13. AS/NZS 8124.2:2016 Flammability

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

Abbreviation:

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

Note:

Only applicable clauses were shown.

14. AS/NZS 62115: 2018 Electric toys – safety

Sample	002, 003, 004, 005
Labelled age range	0m+
Requested age range	All ages
Age range in testing	All ages
Age Group Assessed As per Age Guideline	All ages

Clause	Requirement	Evaluation
7	Marking and Instructions ^{#1}	P
9	Heating and abnormal operation	P
10	Electric strength	P
12	Mechanical strength	P
13	Construction	P
14	Protection of cord and wires	P
15	Components	P ^{#2}
16	Screws and connections	P
17	Creepage distances and clearances	P
18	Resistance to heat and fire	P
19	Radiation and similar hazards	P ^{#3}

Abbreviation:

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

Note:

- Only applicable clauses were shown.

Remark:

^{#1}= Only the English version of the marking was assessed. According to the standard, instruction sheets and other texts required by the standard shall be written in the official language of the country in which the product is to be sold.

^{#2}= According to clause 15 of AS/NZS 62115, Secondary batteries supplied with electric toys shall comply with IEC 62133.

^{#3}= Visible Accessible Emission Assessment:

RED:

Measurement distance 200mm

Hazard	Wavelength	Hazard	AEL	Measured Value	Result
--------	------------	--------	-----	----------------	--------

Test Report

No.: 68.452.22.1951.01R2

Date: 2022-09-09



Greater China

	Range	Weighting Function			
Visible light AEL (Children 3 years or yonger)	$400 \leq \lambda < 780\text{nm}$	A(λ)	$1 \text{ W}\cdot\text{m}^{-2}$	$0.000044 \text{ W}\cdot\text{m}^{-2}$	Pass
Visible light AEL (Children older than 3 years)	$400 \leq \lambda < 780 \text{ nm}$	B(λ)	$1 \text{ W}\cdot\text{m}^{-2}$	$0.000001 \text{ W}\cdot\text{m}^{-2}$	Pass

Green:

Measurement distance 200mm

Hazard	Wavelength Range	Hazard Weighting Function	AEL	Measured Value	Result
Visible light AEL (Children 3 years or yonger)	$400 \leq \lambda < 780\text{nm}$	A(λ)	$1 \text{ W}\cdot\text{m}^{-2}$	$0.001288 \text{ W}\cdot\text{m}^{-2}$	Pass
Visible light AEL (Children older than 3 years)	$400 \leq \lambda < 780 \text{ nm}$	B(λ)	$1 \text{ W}\cdot\text{m}^{-2}$	$0.000355 \text{ W}\cdot\text{m}^{-2}$	Pass

Blue:

Measurement distance 200mm

Hazard	Wavelength Range	Hazard Weighting Function	AEL	Measured Value	Result
Visible light AEL (Children 3 years or yonger)	$400 \leq \lambda < 780\text{nm}$	A(λ)	$1 \text{ W}\cdot\text{m}^{-2}$	$0.007814 \text{ W}\cdot\text{m}^{-2}$	Pass
Visible light AEL (Children older than 3 years)	$400 \leq \lambda < 780 \text{ nm}$	B(λ)	$1 \text{ W}\cdot\text{m}^{-2}$	$0.007791 \text{ W}\cdot\text{m}^{-2}$	Pass

Yellow:

Measurement distance 200mm

Hazard	Wavelength Range	Hazard Weighting Function	AEL	Measured Value	Result
Visible light AEL (Children 3 years or yonger)	$400 \leq \lambda < 780\text{nm}$	A(λ)	$1 \text{ W}\cdot\text{m}^{-2}$	$0.000031 \text{ W}\cdot\text{m}^{-2}$	Pass
Visible light AEL (Children older than 3 years)	$400 \leq \lambda < 780 \text{ nm}$	B(λ)	$1 \text{ W}\cdot\text{m}^{-2}$	$0.000001 \text{ W}\cdot\text{m}^{-2}$	Pass

-End of Test Report-