

Test Report

Report No.: U12801220328121-2E

Query Password: QW6993

Date: Apr. 9, 2022

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Applicant: Hong Lok Company Limited**Contact information:** UNIT 08. 15/F WITTY COMMERCIAL BUILDINGIA-IL TUNG CHOI STREET.
KOWLOON HONG KONG**The following sample(s) was (were) submitted and identified by client as:**

Sample Description : Gel launcher
Item No. : LXX001
Packaging Provided : Yes
Labeled Age Grading : 12+
Requested Age Grading : 3+
Age Group Applied in Testing : 3+
Received Date : Mar. 28, 2022
Testing Period : From Mar. 28, 2022 to Apr. 9, 2022
Test Request : Please refer to next page(s).
Test Result(s) : Please refer to next page(s).

Shen Zhen UONE Test Co., LTD.

Prepared by



Huang wen

Checked by



Lin Zhu

Approved by



Levent Liang

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Summary of Test Results (Tested parts are required partially by client):

TEST REQUEST**CONCLUSION**

- | | |
|--|-------------|
| (1) BS EN 71-1:2014+A1:2018 British Standard Safety of toys
Mechanical and Physical Properties | PASS |
| (2) BS EN 71-2:2020 British Standard for Safety of Toys
Flammability | PASS |
| (3) BS EN71-3:2019+ A1:2021 British Standard Safety of toys
Migration of Certain Elements (Category 3 Scraped-off toy material) | PASS |
-

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Test Material(s) List

Material No.	Description (Location)	Remark
1	Multi-color coating	/
2	Black soft plastic	/
3	Black plastic	/
4	Clear plastic	/

Test Result(s):

(1) Mechanical and Physical Properties – BS EN 71-1:2014+A1:2018

Section	Description	Assessment
4.1	Materials cleanliness	PASS
4.7	Edges	PASS
4.8	Points and Metallic Wires	PASS
4.10	Parts moving against each other	PASS
4.10.2	Driving Mechanisms	PASS
4.17	Projectiles	PASS
4.17.2	All projectiles	PASS
4.17.2.1	Leading parts	PASS
4.17.3	Projectile toys with stored energy	PASS
4.17.3.1	Energy limitation	PASS
4.17.3.2	Edges	PASS
4.17.3.4	Impact resistance	PASS
4.17.3.5	Improvised projectiles	PASS
7	Warning and Instructions for Use	PASS
7.1	General	PASS
7.2	Warning not intended for Children under 36 months	PASS
8.5	Drop test	PASS
8.7	Impact test	PASS

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Remark: Only applicable clauses were shown.

Labeling requirement (Washing/Cleaning Label, UKCA mark, importer / manufacturer mark (name, address), product identification) according to informative Annex A.26 and A.33 of The Britain Standard on safety of toys BS EN71-1:2014+A1:2018 and the Directive 2009/48/UKCA-Safety of toys

Summary table:

	On product	On packaging
UKCA mark	Absent	Present
Manufacturer's Name & Address	Absent	Absent
Importer's Name & Address	Absent	Absent
Product ID	Absent	Absent

UKCA mark, importer / manufacturer mark (name, address), product identification	See Remark
<p>Remark 1:The manufacturer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must 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.</p> <p>Remark 2: Manufacturers must 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.)</p>	

(2) Flammability – BS EN 71-2:2020#

Section	Test Item	Assessment
4.1	General requirements	PASS

Remark: Only applicable Sections were shown.

= This Testing Items were not got CNAS accreditation.

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(3) Migration of Certain Elements

Test Method: With reference to BS EN71-3:2019+ A1:2021, analyzed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES), Inductively Coupled Plasma Mass Spectrometer (ICP-MS), Gas Chromatograph-Mass Spectrometry (GC-MS) and Ion Chromatograph.

Substance	MDL (mg/kg)	Test Result (mg/kg)			
		1	2	3	4
Aluminium (Al)	5.0	76	N.D.	N.D.	N.D.
Antimony (Sb)	5.0	N.D.	N.D.	N.D.	N.D.
Arsenic (As)	0.5	N.D.	N.D.	N.D.	N.D.
Barium (Ba)	5.0	N.D.	N.D.	N.D.	N.D.
Boron (B)	5.0	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	0.2	N.D.	N.D.	N.D.	N.D.
Chromium(III) (Cr ³⁺)	2.0	N.D.	N.D.	N.D.	N.D.
Chromium(VI) (Cr ⁶⁺)	0.02	N.D.	N.D.	N.D.	N.D.
Cobalt (Co)	1.0	N.D.	N.D.	N.D.	N.D.
Copper (Cu)	5.0	N.D.	12	N.D.	N.D.
Lead (Pb)	2.0	N.D.	N.D.	N.D.	N.D.
Manganese (Mn)	5.0	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	1.0	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	5.0	N.D.	N.D.	N.D.	N.D.
Selenium (Se)	5.0	N.D.	N.D.	N.D.	N.D.
Strontium (Sr)	5.0	N.D.	N.D.	N.D.	N.D.
Tin (Sn)	5.0	N.D.	N.D.	N.D.	N.D.
Organic tin☆	0.1	N.D.	N.D.	N.D.	N.D.
Zinc (Zn)	5.0	26	N.D.	N.D.	N.D.
Conclusion		PASS	PASS	PASS	PASS

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The table of Migration Elements limit:

Substance	Limit (mg/kg)		
	Category 1	Category 2	Category 3
	Dry, brittle, powder-like or pliable materials	Liquid or sticky materials	Scraped-off materials
Aluminium (Al)	2250	560	28130
Antimony (Sb)	45	11.3	560
Arsenic (As)	3.8	0.9	47
Barium (Ba)	1500	375	18750
Boron (B)	1200	300	15000
Cadmium (Cd)	1.3	0.3	17
Chromium(III) (Cr ³⁺)	37.5	9.4	460
Chromium(VI) (Cr ⁶⁺)	0.02	0.005	0.053
Cobalt (Co)	10.5	2.6	130
Copper (Cu)	622.5	156	7700
Lead (Pb)	2.0	0.5	23
Manganese (Mn)	1200	300	15000
Mercury (Hg)	7.5	1.9	94
Nickel (Ni)	75	18.8	930
Selenium (Se)	37.5	9.4	460
Strontium (Sr)	4500	1125	56000
Tin (Sn)	15000	3750	180000
Organic tin ☆	0.9	0.2	12
Zinc (Zn)	3750	938	46000

Note:

1. mg/kg = part per million (ppm).
2. N.D. = Not Detected (< MDL).
3. MDL = method detection limit.
4. Calculated concentration of Chromium(III) (Cr³⁺) and Chromium(VI) (Cr⁶⁺) are based on total Chromium.
5. "☆" = Organic tin include Methyl tin, Butyltin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Triphenyl tin, Dimethyl tin. The migration of organic tin

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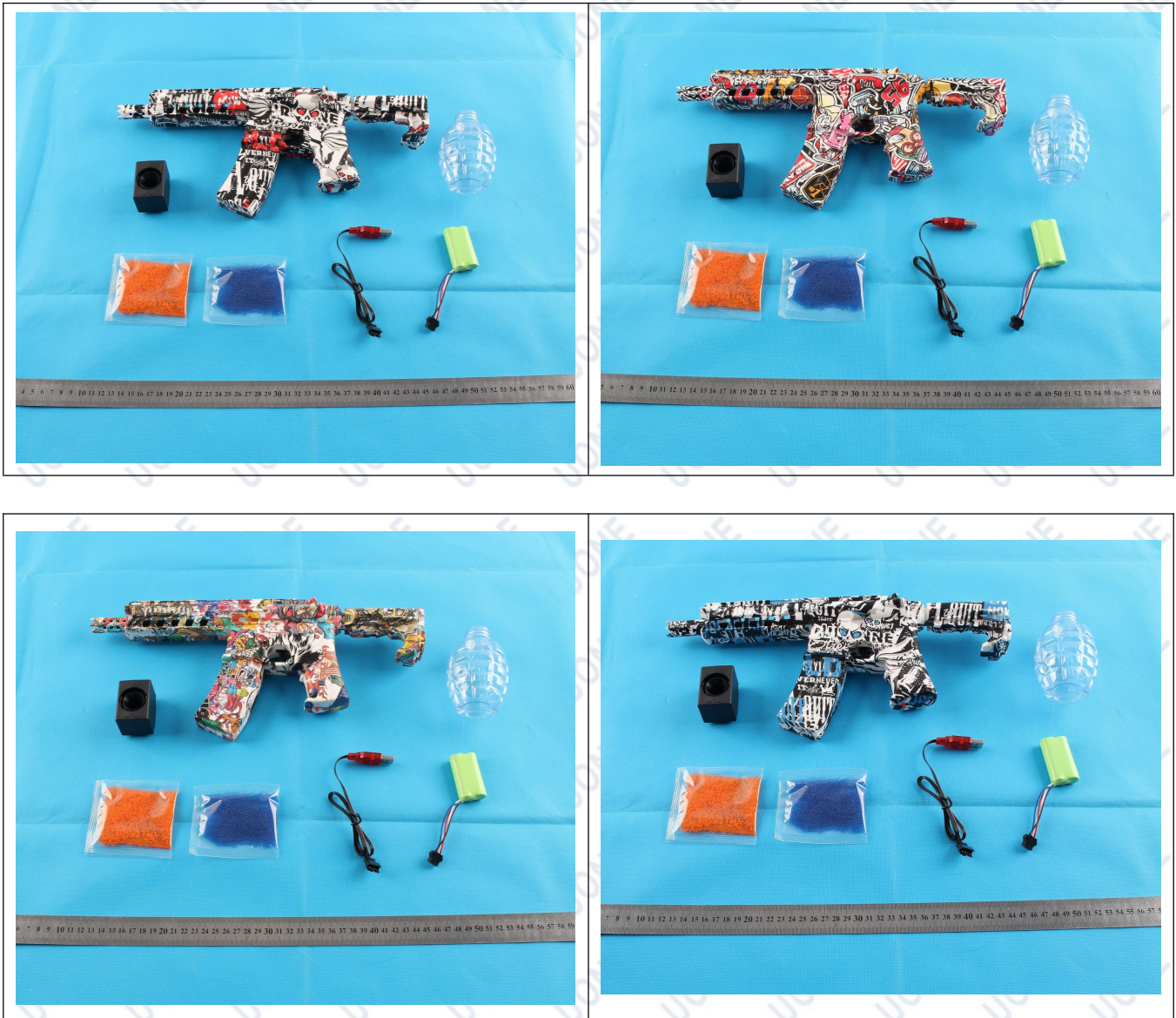
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is expressed as tributyltin.

Photo(s) of Sample:



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

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Statement

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