

Test Report

Applicant: HASBRO S.A. / HASBRO INTERNATIONAL TRADING B.V.
LEVELS L18-L20 HANG SENG TOWER TELFORD PLAZA
33 WAI YIP ST KOWLOON BAY KLN HK
Attn: Masha Bui

Submitted samples said to be

Item Name : **SW GROGU COLLECTIBLES.**
Item No : **G3324.**
Labelled age group : 4+.
Packaging provided : Yes.
Vendor name : Shinshiya-NG Viet Nam Company Limited.
Vendor code : ZV-3689.
Factory code : V3689A.
Date code : 61271.
Buyer : Hasbro.
Country of origin : Vietnam.
Quantity : 10 pieces.
Remark : QN.

To be continued

AUTHORIZED BY
FOR INTERTEK VIETNAM LTD



LIEM MAI
HARDLINES GENERAL MANAGER

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Intertek Vietnam Ltd.

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Tel: +84 28 62816898, Email: web.iao-vnm@intertek.com | Web: intertek.com/intertek.vn



Test Report

Conclusion:

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details:

<u>No.</u>	<u>Requirement</u>	<u>Result</u>
(1)	EN 71-1:2014 + A1:2018 - Mechanical and physical properties	Pass
(2)	EN 71-2:2020 - Flammability Test	Pass
(3)	EN 71-2:2020 + A1:2025 - Flammability Test	Pass
(4)	EN 71-3:2019 + A1:2021 - Migration of certain elements	Pass
(5)	EN 71-3:2019 + A2:2024 - Migration of certain elements	Pass

To be continued

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Test Report

1. Physical and Mechanical Test

Test Standard: European Standard on Safety of toys EN 71-1:2014 + A1:2018

Age group for testing: For ages over 4 years

The submitted samples were undergone the following abuse tests:

Clause	Testing items
8.3	Torque test (0.34 Nm)
8.4.2.1	Tension test (90 N)
8.5	Drop test (850 mm x 5)
8.7	Impact test (1 kg)
8.8	Compression test (110 N)

Section	Testing items	Assessment
4	General requirements	-
4.1	Material	P
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	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 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
5	Toys intended for children under 36 months	NA
5.1	General requirements for children under 36 months	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



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Section	Testing items	Assessment
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
6	Packaging	NA
7	Warnings, markings and instructions for use	-
7.1	General	P
7.2	Toys not intended for children under 36 months	P
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, inlineskates and skateboards and certain other ride-on toys	NA
7.11	Toys intended to be attached to 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

Remark: P = Pass; NA = Not Applicable

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The submitted samples were undergone the abuse tests for Clause 5.1 and 5.2 in according to 8.3 (Torque test), 8.4 (Tension test): 8.4.2.1 (Tension test at 90N) and 8.4.2.2 (Seams and materials at 70N), 8.5 (Drop test), 8.7 (Impact test), 8.8 (Compression test) and specific tests for different types of toys whichever is applicable

Below are additional information according to the Toy Safety Directive 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements and not accredited:

Marking: The manufacturer's and importer's name, registered trade name or registered trade mark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself. In addition, toys or packagings shall also bear the CE-marking.

After checking, it was found that:

	Toy	Packaging
Manufacturer's name	Present	Present
Manufacturer's address	Absent	Present
Importer's name	Present	Present
Importer's address	Absent	Present
Product identification code	Present	Present
CE-marking	Present	Present

Hasbro additional assessment for small part

Test method : EN71 part 1 : 2014 + A1 : 2018 clause 5.1, the submitted sample with labelled age group covered 3 to under 6 years was assessed for small part before and after abuse test.

Assessment : After testing, no small part was found on the submitted sample.

Date sample received: May 11, 2026

Test period: May 11, 2026 to May 14, 2026

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Test Report

2. Flammability Test

Test Standard: European Standard on Safety of Toys EN 71-2:2020.

Clause	Testing Items	Assessment
4.1	General	P
4.2	Toys to be worn on the head	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

Remark: P = Pass; NA = Not Applicable

Date sample received: May 11, 2026

Test period: May 11, 2026 to May 14, 2026

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Test Report

3. Flammability Test

Test Standard: European Standard on Safety of Toys EN 71-2:2020 + A1:2025.

Clause	Testing Items	Assessment
4.1	General	P
4.2	Toys to be worn on the head	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

Remark: P = Pass; NA = Not Applicable

Date sample received: May 11, 2026

Test period: May 11, 2026 to May 14, 2026

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4. 19 Toxic Element Migration Test

Test Method : EN 71-3:2019 + A1:2021

Acid extraction method was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry and/or Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry and/or Gas Chromatographic - Mass Spectrometry

Category (III): Scraped-off toy material

Element	Result (mg/kg)					Limit (mg/kg)
	(11)	(17)	(27)	(28)	(29)	
Soluble Aluminium (Al)	<300	<300	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	<5	<5	17
Soluble Chromium (III) (Cr III) **	<10	<10	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) **	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	<10	<10	180000
Soluble Organic tin **	<2	<2	<2	<2	<2	12
Soluble Zinc (Zn)	<100	<100	<100	<100	<100	46000

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Element	Result (mg/kg)					Limit (mg/kg)
	(30)	(31)	(32)	(33)	(34)	
Soluble Aluminium (Al)	<300	<300	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	<5	<5	17
Soluble Chromium (III) (Cr III) **	<10	<10	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) **	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	<10	<10	180000
Soluble Organic tin **	<2	<2	<2	<2	<2	12
Soluble Zinc (Zn)	<100	<100	6760	<100	<100	46000

Element	Result (mg/kg)					Limit (mg/kg)
	(35)	(36)	(37)	(38)	(39)	
Soluble Aluminium (Al)	<300	<300	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	<5	<5	17
Soluble Chromium (III) (Cr III) **	<10	<10	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) **	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	<10	<10	180000
Soluble Organic tin **	<2	<2	<2	<2	<2	12
Soluble Zinc (Zn)	<100	<100	<100	<100	<100	46000

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Element	Result (mg/kg)					Limit (mg/kg)
	(40)	(41)	(42)	(43)	(44)	
Soluble Aluminium (Al)	<300	<300	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	<5	<5	17
Soluble Chromium (III) (Cr III) **	<10	<10	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) **	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	<10	<10	180000
Soluble Organic tin **	<2	<2	<2	<2	<2	12
Soluble Zinc (Zn)	<100	<100	<100	<100	<100	46000

Element	Result (mg/kg)					Limit (mg/kg)
	(45)	(46)	(47)	(48)	(49)	
Soluble Aluminium (Al)	<300	<300	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	<5	<5	17
Soluble Chromium (III) (Cr III) **	<10	<10	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) **	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	<10	<10	180000
Soluble Organic tin **	<2	<2	<2	<2	<2	12
Soluble Zinc (Zn)	<100	<100	<100	<100	<100	46000

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Remark:

mg/kg = milligram per kilogram

< = less than

= Confirmation of Chromium (VI) test was performed on the tested component. And the reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium (VI).

** = Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

- Organic tin test result was expressed as tributyl tin.

@ = Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

Tested Component(s):

- (1)@ YBU-30547 orange coating on PVC plastic (collar, sleeve of Grogu #4)
- (2)@ YBF-24528 gold color coating on PVC plastic (gift box of Grogu #13)
- (3)@ YBU-28890 light yellow coating on PVC plastic (arms of Grogu #6)
- (4)@ YBU-30539 baby blue color coating on PVC plastic (gloves of Grogu #6)
- (5)@ YBU-30546 dark brown color coating on PVC plastic (ears of Grogu #7)
- (6)@ YBU-30544 light purple color coating on PVC plastic (noise of Grogu #3)
- (7)@ YBU-30541 light pink color coating on PVC plastic (zipper of Grogu #3)
- (8)@ YBF-24529 metallic turquoise color coating on PVC plastic (gift box of Grogu #13)
- (9)@ YBF-24530 metallic white color coating on PVC plastic (cup of Grogu #2)
- (10)@ YBU-30540 brown color coating on PVC plastic (ears of Grogu #8)
- (11) YBU-30921 yellow coating on PVC plastic (head of Grogu #10)
- (12)@ V-81M3-05 milky white color coating on PVC plastic (cuff of Grogu #9)
- (13)@ YBU-30550 bright red color coating on PVC plastic (hands of Grogu #9)
- (14)@ YB-122644 pink coating on PVC plastic (ears of all styles)
- (15)@ YBU-30535 light brown color coating on PVC plastic (coffee foam of Grogu #2)
- (16)@ YBF-24527 metallic red color coating on PVC plastic (gift box of Grogu #12)
- (17) YBU-28838 latte color coating on PVC plastic (collar, sleeve of Grogu #1, Grogu #2, Grogu #5, Grogu #6, Grogu #7, Grogu #8, Grogu #11, Grogu #12, Grogu #13)
- (18)@ YBU-30542 gray color coating on PVC plastic (legs of Grogu #3)
- (19)@ YBFU-25301 deep yellow color coating on PVC plastic (head of Grogu #7)
- (20)@ YBU-125357 green coating on PVC plastic (hands of Grogu #1, Grogu #2, Grogu #4, Grogu #5, Grogu #6, Grogu #7, Grogu #8, Grogu #11, Grogu #12, Grogu #13)
- (21)@ V-91-05 black coating on PVC plastic (eyes of Grogu #1, Grogu #3, Grogu #2, Grogu #4, Grogu #5, Grogu #7, Grogu #11, Grogu #12, Grogu #13, Grogu #9, Grogu #10)
- (22)@ YBU-30548 metallic gray color coating on PVC plastic (sledge of Grogu #5)
- (23)@ YBU-30549 silver color coating on PVC plastic (zipper of Grogu #10)
- (24)@ YBU-30545 dark gray color coating on PVC plastic (head, hands, feet of Grogu #7)
- (25)@ VT-81-02 white coating on PVC plastic (eyes of Grogu #1, Grogu #2, Grogu #4, Grogu #5, Grogu #7, Grogu #11, Grogu #9, Grogu #10)
- (26)@ YBU-28889 mint green color coating on PVC plastic (mouth, ears of Grogu #5)

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- (27) Blue/green/yellow/multicolor coating on paper (cross shell sheet of G3324)
- (28) Yellow PVC plastic (body, arms, hands of Grogu #1, Grogu #2, Grogu #4, Grogu #5, Grogu #6, Grogu #7, Grogu #8, Grogu #11, Grogu #12, Grogu #13, Grogu #10)
- (29) Green PVC plastic (head, ears of Grogu #1, Grogu #2, Grogu #4, Grogu #5, Grogu #6, Grogu #7, Grogu #8, Grogu #11, Grogu #12, Grogu #13, Grogu #10, Grogu #9)
- (30) Brown PVC plastic (snowman arms of Grogu #1)
- (31) Transparent iridescent PVC plastic (snowman of Grogu #1, sledge of Grogu #5)
- (32) Red PVC plastic (cup of Grogu #2)
- (33) White PVC plastic (of Grogu #2)
- (34) Light purple color PVC plastic (ears, body, legs, tail of Grogu #3)
- (35) Dark yellow color PVC plastic (horns of Grogu #3)
- (36) Gray PVC plastic (head of Grogu #10)
- (37) Deep green color PVC plastic (socks of Grogu #9)
- (38) Light purple color PVC plastic (headphone of Grogu #6)
- (39) Purple PVC plastic (gloves of Grogu #6)
- (40) Orange color PVC plastic (scarf of Grogu #8)
- (41) White PVC plastic (teddy bear of Grogu #7)
- (42) Gray iridescent color PVC plastic (gift box of Grogu #12)
- (43) Metallic red color PVC plastic (head cover of Grogu #12)
- (44) Metallic green color PVC plastic (gift box of Grogu #13)
- (45) Gold color PVC plastic (head cover of Grogu #13)
- (46) Turquoise color PVC plastic (reindeer of Grogu #11)
- (47) Brown PVC plastic (reindeer horns of Grogu #11)
- (48) White paper excluding coating (cross shell sheet of G3324)
- (49) White paper with printings (information slipsheet of G3324)

Date sample received: May 11, 2026

Test period: May 11, 2026 to May 14, 2026

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5. 19 Toxic Element Migration Test

Test Method: EN 71-3:2019 + A2:2024

Acid extraction method was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry and/or Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry and/or Gas Chromatographic - Mass Spectrometry

Category (III): Scraped-off toy material

Element	Result (mg/kg)					Limit (mg/kg)
	(11)	(17)	(27)	(28)	(29)	
Soluble Aluminium (Al)	<300	<300	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	<5	<5	17
Soluble Chromium (III) (Cr III) **	<10	<10	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) **	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	<10	<10	180000
Soluble Organic tin **	<2	<2	<2	<2	<2	12
Soluble Zinc (Zn)	<100	<100	<100	<100	<100	46000

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Test Report

Element	Result (mg/kg)					Limit (mg/kg)
	(30)	(31)	(32)	(33)	(34)	
Soluble Aluminium (Al)	<300	<300	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	<5	<5	17
Soluble Chromium (III) (Cr III) **	<10	<10	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) **	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	<10	<10	180000
Soluble Organic tin **	<2	<2	<2	<2	<2	12
Soluble Zinc (Zn)	<100	<100	6760	<100	<100	46000

Element	Result (mg/kg)					Limit (mg/kg)
	(35)	(36)	(37)	(38)	(39)	
Soluble Aluminium (Al)	<300	<300	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	<5	<5	17
Soluble Chromium (III) (Cr III) **	<10	<10	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) **	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	<10	<10	180000
Soluble Organic tin **	<2	<2	<2	<2	<2	12
Soluble Zinc (Zn)	<100	<100	<100	<100	<100	46000

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Test Report

Element	Result (mg/kg)					Limit (mg/kg)
	(40)	(41)	(42)	(43)	(44)	
Soluble Aluminium (Al)	<300	<300	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	<5	<5	17
Soluble Chromium (III) (Cr III) **	<10	<10	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) **	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	<10	<10	180000
Soluble Organic tin **	<2	<2	<2	<2	<2	12
Soluble Zinc (Zn)	<100	<100	<100	<100	<100	46000

Element	Result (mg/kg)					Limit (mg/kg)
	(45)	(46)	(47)	(48)	(49)	
Soluble Aluminium (Al)	<300	<300	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	<5	<5	17
Soluble Chromium (III) (Cr III) **	<10	<10	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) **	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	<10	<10	180000
Soluble Organic tin **	<2	<2	<2	<2	<2	12
Soluble Zinc (Zn)	<100	<100	<100	<100	<100	46000

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Remark:

mg/kg = milligram per kilogram

< = less than

= Confirmation of Chromium (VI) test was performed on the tested component. And the reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium (VI).

** = Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

- Organic tin test result was expressed as tributyl tin.

@ = Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

Tested Component(s):

- (1)@ YBU-30547 orange coating on PVC plastic (collar, sleeve of Grogu #4)
- (2)@ YBF-24528 gold color coating on PVC plastic (gift box of Grogu #13)
- (3)@ YBU-28890 light yellow coating on PVC plastic (arms of Grogu #6)
- (4)@ YBU-30539 baby blue color coating on PVC plastic (gloves of Grogu #6)
- (5)@ YBU-30546 dark brown color coating on PVC plastic (ears of Grogu #7)
- (6)@ YBU-30544 light purple color coating on PVC plastic (noise of Grogu #3)
- (7)@ YBU-30541 light pink color coating on PVC plastic (zipper of Grogu #3)
- (8)@ YBF-24529 metallic turquoise color coating on PVC plastic (gift box of Grogu #13)
- (9)@ YBF-24530 metallic white color coating on PVC plastic (cup of Grogu #2)
- (10)@ YBU-30540 brown color coating on PVC plastic (ears of Grogu #8)
- (11) YBU-30921 yellow coating on PVC plastic (head of Grogu #10)
- (12)@ V-81M3-05 milky white color coating on PVC plastic (cuff of Grogu #9)
- (13)@ YBU-30550 bright red color coating on PVC plastic (hands of Grogu #9)
- (14)@ YB-122644 pink coating on PVC plastic (ears of all styles)
- (15)@ YBU-30535 light brown color coating on PVC plastic (coffee foam of Grogu #2)
- (16)@ YBF-24527 metallic red color coating on PVC plastic (gift box of Grogu #12)
- (17) YBU-28838 latte color coating on PVC plastic (collar, sleeve of Grogu #1, Grogu #2, Grogu #5, Grogu #6, Grogu #7, Grogu #8, Grogu #11, Grogu #12, Grogu #13)
- (18)@ YBU-30542 gray color coating on PVC plastic (legs of Grogu #3)
- (19)@ YBFU-25301 deep yellow color coating on PVC plastic (head of Grogu #7)
- (20)@ YBU-125357 green coating on PVC plastic (hands of Grogu #1, Grogu #2, Grogu #4, Grogu #5, Grogu #6, Grogu #7, Grogu #8, Grogu #11, Grogu #12, Grogu #13)
- (21)@ V-91-05 black coating on PVC plastic (eyes of Grogu #1, Grogu #3, Grogu #2, Grogu #4, Grogu #5, Grogu #7, Grogu #11, Grogu #12, Grogu #13, Grogu #9, Grogu #10)
- (22)@ YBU-30548 metallic gray color coating on PVC plastic (sledge of Grogu #5)
- (23)@ YBU-30549 silver color coating on PVC plastic (zipper of Grogu #10)
- (24)@ YBU-30545 dark gray color coating on PVC plastic (head, hands, feet of Grogu #7)
- (25)@ VT-81-02 white coating on PVC plastic (eyes of Grogu #1, Grogu #2, Grogu #4, Grogu #5, Grogu #7, Grogu #11, Grogu #9, Grogu #10)
- (26)@ YBU-28889 mint green color coating on PVC plastic (mouth, ears of Grogu #5)
- (27) Blue/green/yellow/multicolor coating on paper (cross shell sheet of G3324)

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- (28) Yellow PVC plastic (body, arms, hands of Grogu #1, Grogu #2, Grogu #4, Grogu #5, Grogu #6, Grogu #7, Grogu #8, Grogu #11, Grogu #12, Grogu #13, Grogu #10)
- (29) Green PVC plastic (head, ears of Grogu #1, Grogu #2, Grogu #4, Grogu #5, Grogu #6, Grogu #7, Grogu #8, Grogu #11, Grogu #12, Grogu #13, Grogu #10, Grogu #9)
- (30) Brown PVC plastic (snowman arms of Grogu #1)
- (31) Transparent iridescent PVC plastic (snowman of Grogu #1, sledge of Grogu #5)
- (32) Red PVC plastic (cup of Grogu #2)
- (33) White PVC plastic (of Grogu #2)
- (34) Light purple color PVC plastic (ears, body, legs, tail of Grogu #3)
- (35) Dark yellow color PVC plastic (horns of Grogu #3)
- (36) Gray PVC plastic (head of Grogu #10)
- (37) Deep green color PVC plastic (socks of Grogu #9)
- (38) Light purple color PVC plastic (headphone of Grogu #6)
- (39) Purple PVC plastic (gloves of Grogu #6)
- (40) Orange color PVC plastic (scarf of Grogu #8)
- (41) White PVC plastic (teddy bear of Grogu #7)
- (42) Gray iridescent color PVC plastic (gift box of Grogu #12)
- (43) Metallic red color PVC plastic (head cover of Grogu #12)
- (44) Metallic green color PVC plastic (gift box of Grogu #13)
- (45) Gold color PVC plastic (head cover of Grogu #13)
- (46) Turquoise color PVC plastic (reindeer of Grogu #11)
- (47) Brown PVC plastic (reindeer horns of Grogu #11)
- (48) White paper excluding coating (cross shell sheet of G3324)
- (49) White paper with printings (information slipsheet of G3324)

Date sample received: May 11, 2026

Test period: May 11, 2026 to May 14, 2026

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Test Report

Photo of Submitted Sample



END OF THE TEST REPORT

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