

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: MAX LING

Number: HKGH0328603405

Date: Sep 04, 2025

Sample and Information provided by customer :
Item no./ name :

SPD CLASSIC HERO AST:
- #G2857 SPD MILES MORALES TITAN HERO.
- #G2858 SPD GHOST SPIDER TITAN HERO.
- #G2859 SPD SCARLET SPD TITAN HERO.
- #G2860 SPD SYMBIOTE SPIDERMAN TITAN HERO.

Asst no. : **G2716.**
Labelled age group : 4+.
Packaging provided : Yes.
Vendor name : MILLION BEST.
Vendor code : ZC-3632.
Factory code : A.
Date code : 52401.
Buyer : Hasbro.
Country of origin : CHINA.
Quantity : 40 pieces.
Remark : QN.

For and on behalf of :
Intertek Testing Services HK Ltd.



Dorothy M.Y. Lau
Vice President



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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>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 71-3 : 2019 + A1 : 2021 - Migration of certain elements	Pass
(4) EN 71-3 : 2019 + A2 : 2024 - Migration of certain elements	Pass

Decision Rule(s):

When a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer to Intertek's "Decision Rule Document" and is available on Intertek's website. <https://intertekhk.grd.by/decision-rule-doc..>
If decision rule already inhered in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "∞" was shown as above table.



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(1) Mechanical and Physical Test

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

Age group for testing : For Ages Over 4 Years

Clause	Requirement	Assessment
4	General requirements	
4.1	Material cleanliness	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 into 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	
5.1	General requirements for toys intended 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
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 (7.24)	NA
6	Packaging	NA





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Clause	Requirement	Assessment
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	P#1
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	Projectile Toys	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

Abbreviation : P = Pass NA = Not 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	Present	Present
EU Importer's name	Present	Present
EU Importer's address	Present	Present
Product identification code	Present	Present
CE-marking	Present	Present



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Remark(s):

#1 = Clause 7.2 - Graphical symbol and the indication of hazard was found on the packaging.

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, the submitted sample was broken and small part was found.

Date sample received : Sep 01, 2025

Test Period : Sep 01, 2025 to Sep 02, 2025



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(2) Flammability Test

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

Clause	Requirement	Assessment
4.1	General requirements	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

Abbreviation : P = Pass NA = Not Applicable

Date sample received : Sep 01, 2025

Test Period : Sep 01, 2025 to Sep 02, 2025



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(3) 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 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)
	(1)	(2)	(3)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<5.0	<5.0	<5.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000





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Element	Result (mg/kg)			Limit (mg/kg)
	(5)	(7)	(8)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
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Soluble Cobalt (Co)	<10	<10	<10	130
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Soluble Organic tin ++	<5.0	<5.0	<5.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000





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Element	Result (mg/kg)			Limit (mg/kg)
	(9)	(11)	(12)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
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Soluble Organic tin ++	<5.0	<5.0	<5.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000





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Element	Result (mg/kg)			Limit (mg/kg)
	(13)	(14)	(15)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<5.0	<5.0	<5.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000





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Element	Result (mg/kg)			Limit (mg/kg)
	(16)	(17)	(18)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<5.0	<5.0	<5.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000





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Element	Result (mg/kg)			Limit (mg/kg)
	(19)	(20)	(21)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<5.0	<5.0	<5.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000





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Element	Result (mg/kg)			Limit (mg/kg)
	(22)	(23)	(24)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<5.0	<5.0	<5.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000



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Element	Result (mg/kg)		Limit (mg/kg)
	(25)	(26)	
Soluble Aluminium (Al)	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	560
Soluble Arsenic (As)	<10	<10	47
Soluble Barium (Ba)	<10	<10	18750
Soluble Boron (B)	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	130
Soluble Copper (Cu)	<10	<10	7700
Soluble Lead (Pb)	<10	<10	23
Soluble Manganese (Mn)	<10	<10	15000
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Soluble Nickel (Ni)	<10	<10	930
Soluble Selenium (Se)	<10	<10	460
Soluble Strontium (Sr)	<100	<100	56000
Soluble Tin (Sn)	<10	<10	180000
Soluble Organic tin ++	<5.0	<5.0	12
Soluble Zinc (Zn)	<100	<100	46000

mg/kg = milligram per kilogram

++ : Unless the test result was marked with "Δ", Organic tin content was not directly determined and was derived from migration result of total tin.

Organic tin test result was expressed as tributyl tin.

Chromium (III) value was calculated as difference between migration results of total Chromium and Chromium (VI) .

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





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Tested Components:

- (1) White coating on PVC90 plastic (eyes of Miles Morales Titan Hero - #G2857, hat of Ghost Spider Titan Hero - #G2858).
- (2) Red coating on PVC90 plastic (head of Miles Morales Titan Hero - #G2857, head of Scarlet Spd Titan Hero - #G2859).
- (3) Shiny red coating on ABS plastic (body, shoulder of Miles Morales Titan Hero - #G2857, body of Scarlet Spd Titan Hero - #G2859).
- (4) @ Blue coating on PVC90 plastic (hat of Ghost Spider Titan Hero - #G2858).
- (5) Pink coating on PVC90 plastic (eyes, arms of Ghost Spider Titan Hero - #G2858).
- (6) @ Dull blue coating on PVC90 plastic (arms of Ghost Spider Titan Hero - #G2858).
- (7) Bright red coating on PVC80 plastic (hand wing of Scarlet Spd Titan Hero - #G2859).
- (8) Dim red coating on ABS plastic (arms of Scarlet Spd Titan Hero - #G2859).
- (9) Shiny white coating on PVC90 plastic (eyes of Symbiote Spiderman Titan Hero - #G2860).
- (10) @ #Black C black coating on PVC90 plastic (eyes of Symbiote Spiderman Titan Hero - #G2860).
- (11) Dull white coating on ABS plastic (body of Symbiote Spiderman Titan Hero - #G2860).
- (12) Black PVC90 plastic (head, hands of Miles Morales Titan Hero - #G2857).
- (13) Black ABS plastic with white ABS glue (upper torso, arms, legs of Miles Morales Titan Hero - #G2857, upper torso, legs of Ghost Spider Titan Hero - #G2858).
- (14) Black Nylon plastic (arm joint, elbow joint, hip joint of Miles Morales Titan Hero - #G2857, hip joint, knee joint of Ghost Spider Titan Hero - #G2858).
- (15) Pink PVC90 plastic (hat of Ghost Spider Titan Hero - #G2858).
- (16) White ABS plastic with white ABS glue (upper torso of Ghost Spider Titan Hero - #G2858).
- (17) White PVC90 plastic with transparent CA908 glue (arms, head, hands of Ghost Spider Titan Hero - #G2858).
- (18) White Nylon plastic (elbow joint, arm joint of Ghost Spider Titan Hero - #G2858).
- (19) Fluorescent blue PVC90 plastic (head of Scarlet Spd Titan Hero - #G2859).
- (20) Fluorescent blue PVC80 plastic (hands of Scarlet Spd Titan Hero - #G2859).
- (21) Fluorescent blue ABS plastic with white ABS glue (upper torso, arms, legs of Scarlet Spd Titan Hero - #G2859).
- (22) Fluorescent blue Nylon plastic (elbow joint, knee joint, arm joint of Scarlet Spd Titan Hero - #G2859).
- (23) Grayish black PVC90 plastic (hands, head of Symbiote Spiderman Titan Hero - #G2860).
- (24) Grayish black ABS plastic white ABS glue (arms, upper torso, legs of Symbiote Spiderman Titan Hero - #G2860).
- (25) Grayish black Nylon plastic (elbow joint, arm joint, knee joint of Symbiote Spiderman Titan Hero - #G2860).
- (26) White paper sheet with black printing (slip sheet).

Date sample received : Sep 01, 2025

Test Period : Sep 01, 2025 to Sep 04, 2025



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(4) 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 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)
	(1)	(2)	(3)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
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Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
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Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<5.0	<5.0	<5.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000



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Element	Result (mg/kg)			Limit (mg/kg)
	(5)	(7)	(8)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
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	(9)	(11)	(12)	
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Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<5.0	<5.0	<5.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000





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Element	Result (mg/kg)			Limit (mg/kg)
	(13)	(14)	(15)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<5.0	<5.0	<5.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000





TEST REPORT

Number : HKGH0328603405

Element	Result (mg/kg)			Limit (mg/kg)
	(16)	(17)	(18)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<5.0	<5.0	<5.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000





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Element	Result (mg/kg)			Limit (mg/kg)
	(19)	(20)	(21)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<5.0	<5.0	<5.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000





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Element	Result (mg/kg)			Limit (mg/kg)
	(22)	(23)	(24)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<5.0	<5.0	<5.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000





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Element	Result (mg/kg)		Limit (mg/kg)
	(25)	(26)	
Soluble Aluminium (Al)	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	560
Soluble Arsenic (As)	<10	<10	47
Soluble Barium (Ba)	<10	<10	18750
Soluble Boron (B)	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	130
Soluble Copper (Cu)	<10	<10	7700
Soluble Lead (Pb)	<10	<10	23
Soluble Manganese (Mn)	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	94
Soluble Nickel (Ni)	<10	<10	930
Soluble Selenium (Se)	<10	<10	460
Soluble Strontium (Sr)	<100	<100	56000
Soluble Tin (Sn)	<10	<10	180000
Soluble Organic tin ++	<5.0	<5.0	12
Soluble Zinc (Zn)	<100	<100	46000

mg/kg = milligram per kilogram

++ : Unless the test result was marked with "Δ", Organic tin content was not directly determined and was derived from migration result of total tin.

Organic tin test result was expressed as tributyl tin.

Chromium (III) value was calculated as difference between migration results of total Chromium and Chromium (VI) .

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



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Tested Components:

- (1) White coating on PVC90 plastic (eyes of Miles Morales Titan Hero - #G2857, hat of Ghost Spider Titan Hero - #G2858).
- (2) Red coating on PVC90 plastic (head of Miles Morales Titan Hero - #G2857, head of Scarlet Spd Titan Hero - #G2859).
- (3) Shiny red coating on ABS plastic (body, shoulder of Miles Morales Titan Hero - #G2857, body of Scarlet Spd Titan Hero - #G2859).
- (4) @ Blue coating on PVC90 plastic (hat of Ghost Spider Titan Hero - #G2858).
- (5) Pink coating on PVC90 plastic (eyes, arms of Ghost Spider Titan Hero - #G2858).
- (6) @ Dull blue coating on PVC90 plastic (arms of Ghost Spider Titan Hero - #G2858).
- (7) Bright red coating on PVC80 plastic (hand wing of Scarlet Spd Titan Hero - #G2859).
- (8) Dim red coating on ABS plastic (arms of Scarlet Spd Titan Hero - #G2859).
- (9) Shiny white coating on PVC90 plastic (eyes of Symbiote Spiderman Titan Hero - #G2860).
- (10) @ #Black C black coating on PVC90 plastic (eyes of Symbiote Spiderman Titan Hero - #G2860).
- (11) Dull white coating on ABS plastic (body of Symbiote Spiderman Titan Hero - #G2860).
- (12) Black PVC90 plastic (head, hands of Miles Morales Titan Hero - #G2857).
- (13) Black ABS plastic with white ABS glue (upper torso, arms, legs of Miles Morales Titan Hero - #G2857, upper torso, legs of Ghost Spider Titan Hero - #G2858).
- (14) Black Nylon plastic (arm joint, elbow joint, hip joint of Miles Morales Titan Hero - #G2857, hip joint, knee joint of Ghost Spider Titan Hero - #G2858).
- (15) Pink PVC90 plastic (hat of Ghost Spider Titan Hero - #G2858).
- (16) White ABS plastic with white ABS glue (upper torso of Ghost Spider Titan Hero - #G2858).
- (17) White PVC90 plastic with transparent CA908 glue (arms, head, hands of Ghost Spider Titan Hero - #G2858).
- (18) White Nylon plastic (elbow joint, arm joint of Ghost Spider Titan Hero - #G2858).
- (19) Fluorescent blue PVC90 plastic (head of Scarlet Spd Titan Hero - #G2859).
- (20) Fluorescent blue PVC80 plastic (hands of Scarlet Spd Titan Hero - #G2859).
- (21) Fluorescent blue ABS plastic with white ABS glue (upper torso, arms, legs of Scarlet Spd Titan Hero - #G2859).
- (22) Fluorescent blue Nylon plastic (elbow joint, knee joint, arm joint of Scarlet Spd Titan Hero - #G2859).
- (23) Grayish black PVC90 plastic (hands, head of Symbiote Spiderman Titan Hero - #G2860).
- (24) Grayish black ABS plastic white ABS glue (arms, upper torso, legs of Symbiote Spiderman Titan Hero - #G2860).
- (25) Grayish black Nylon plastic (elbow joint, arm joint, knee joint of Symbiote Spiderman Titan Hero - #G2860).
- (26) White paper sheet with black printing (slip sheet).

Date sample received : Sep 01, 2025

Test Period : Sep 01, 2025 to Sep 04, 2025



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End of report

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