

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: BRADY BU

Number: HKGH0311513105

Date: Apr 12, 2024

Submitted samples said to be :
Item no./ name : **PD CLASSIC COLOR AST:**
 : **-# B6508 PD CLASSIC COLORS PACK.**
 : **-# E4869 PD SWEET.**
 : **-# E4867 PD WILD.**

Asst no. : **B5517.**
Labelled age group : 2+.
Packaging provided : Yes.
Vendor name : Fowind.
Vendor code : ZC-023.
Factory code : F.
Date code : 40861.
Buyer : Hasbro.
Country of origin : CHINA.
Quantity : 30 pieces.
Remark : RN.

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

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.qrd.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 2 Years

The submitted samples were undergone the following abuse tests:	
<u>Clause</u>	<u>Testing Items</u>
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)

<u>Clause</u>	<u>Requirement</u>	<u>Assessment</u>
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	P
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





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





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The submitted samples were undergone the abuse tests for Clause 5.1 in according to 8.3 (Torque test), 8.4 (Tension test), 8.5 (Drop test), 8.7 (Impact test), 8.8 (Compression test) and specific tests for different types of toys whichever 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
EU Importer's name	Present	Present
EU Importer's address	Absent	Present
Product identification code	Absent	Present
CE-marking	Present	Present

Cleaning instruction

A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. The toy shall fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provided instructions on how the toy has to be cleaned.

After checking, the cleaning instruction was not found on the submitted samples.

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 : Not applicable.

Date sample received : Apr 02, 2024

Test Period : Apr 02, 2024 to Apr 11, 2024





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(2) Flammability Test

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

<u>Clause</u>	<u>Requirement</u>	<u>Assessment</u>
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 : Apr 02, 2024

Test Period : Apr 02, 2024 to Apr 11, 2024





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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 (I): Dry brittle powder-like or pliable toy material:

	Result (mg/kg)			Limit (mg/kg)
	(16)	(17)	(18)	
Soluble Aluminium (Al)	200	130	310	2250
Soluble Antimony (Sb)	<10	<10	<10	45
Soluble Arsenic (As)	<1.0	<1.0	<1.0	3.8
Soluble Barium (Ba)	<10	<10	<10	1500
Soluble Boron (B)	<50	<50	<50	1200
Soluble Cadmium (Cd)	<0.5	<0.5	<0.5	1.3
Soluble Chromium (III) (Cr III)	<5.0	<5.0	<5.0	37.5
Soluble Chromium (VI) (Cr VI)	<0.010	<0.010	<0.010	0.02
Soluble Cobalt (Co)	<1.0	<1.0	<1.0	10.5
Soluble Copper (Cu)	<10	<10	<10	622.5
Soluble Lead (Pb)	<0.5	<0.5	<0.5	2.0
Soluble Manganese (Mn)	<10	<10	<10	1200
Soluble Mercury (Hg)	<1.0	<1.0	<1.0	7.5
Soluble Nickel (Ni)	<10	<10	<10	75
Soluble Selenium (Se)	<5.0	<5.0	<5.0	37.5
Soluble Strontium (Sr)	<100	100	160	4500
Soluble Tin (Sn)	<10	<10	<10	15000
Soluble Organic tin ++	<0.3	<0.3	<0.3	0.9
Soluble Zinc (Zn)	<100	<100	<100	3750





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	Result (mg/kg)			Limit (mg/kg)
	(19)	(20)	(21)	
Soluble Aluminium (Al)	550	280	270	2250
Soluble Antimony (Sb)	<10	<10	<10	45
Soluble Arsenic (As)	<1.0	<1.0	<1.0	3.8
Soluble Barium (Ba)	<10	<10	<10	1500
Soluble Boron (B)	<50	<50	<50	1200
Soluble Cadmium (Cd)	<0.5	<0.5	<0.5	1.3
Soluble Chromium (III) (Cr III)	<5.0	<5.0	<5.0	37.5
Soluble Chromium (VI) (Cr VI)	<0.010	<0.010	<0.010	0.02
Soluble Cobalt (Co)	<1.0	<1.0	<1.0	10.5
Soluble Copper (Cu)	<10	<10	<10	622.5
Soluble Lead (Pb)	<0.5	<0.5	<0.5	2.0
Soluble Manganese (Mn)	<10	<10	<10	1200
Soluble Mercury (Hg)	<1.0	<1.0	<1.0	7.5
Soluble Nickel (Ni)	<10	<10	<10	75
Soluble Selenium (Se)	<5.0	<5.0	<5.0	37.5
Soluble Strontium (Sr)	<100	150	<100	4500
Soluble Tin (Sn)	<10	<10	<10	15000
Soluble Organic tin ++	<0.3	<0.3	<0.3	0.9
Soluble Zinc (Zn)	<100	<100	<100	3750





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	Result (mg/kg)			Limit (mg/kg)
	(22)	(23)	(24)	
Soluble Aluminium (Al)	220	390	250	2250
Soluble Antimony (Sb)	<10	<10	<10	45
Soluble Arsenic (As)	<1.0	<1.0	<1.0	3.8
Soluble Barium (Ba)	<10	<10	<10	1500
Soluble Boron (B)	<50	<50	<50	1200
Soluble Cadmium (Cd)	<0.5	<0.5	<0.5	1.3
Soluble Chromium (III) (Cr III)	<5.0	<5.0	<5.0	37.5
Soluble Chromium (VI) (Cr VI)	<0.010	<0.010	<0.010	0.02
Soluble Cobalt (Co)	<1.0	<1.0	<1.0	10.5
Soluble Copper (Cu)	<10	<10	<10	622.5
Soluble Lead (Pb)	<0.5	<0.5	<0.5	2.0
Soluble Manganese (Mn)	<10	<10	<10	1200
Soluble Mercury (Hg)	<1.0	<1.0	<1.0	7.5
Soluble Nickel (Ni)	<10	<10	<10	75
Soluble Selenium (Se)	<5.0	<5.0	<5.0	37.5
Soluble Strontium (Sr)	130	150	150	4500
Soluble Tin (Sn)	<10	<10	<10	15000
Soluble Organic tin ++	<0.3	<0.3	<0.3	0.9
Soluble Zinc (Zn)	<100	<100	<100	3750





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	Result (mg/kg)			Limit (mg/kg)
	(25)	(26)	(27)	
Soluble Aluminium (Al)	200	220	250	2250
Soluble Antimony (Sb)	<10	<10	<10	45
Soluble Arsenic (As)	<1.0	<1.0	<1.0	3.8
Soluble Barium (Ba)	<10	<10	<10	1500
Soluble Boron (B)	<50	<50	<50	1200
Soluble Cadmium (Cd)	<0.5	<0.5	<0.5	1.3
Soluble Chromium (III) (Cr III)	<5.0	<5.0	<5.0	37.5
Soluble Chromium (VI) (Cr VI)	<0.010	<0.010	<0.010	0.02
Soluble Cobalt (Co)	<1.0	<1.0	<1.0	10.5
Soluble Copper (Cu)	<10	<10	<10	622.5
Soluble Lead (Pb)	<0.5	<0.5	<0.5	2.0
Soluble Manganese (Mn)	<10	<10	<10	1200
Soluble Mercury (Hg)	<1.0	<1.0	<1.0	7.5
Soluble Nickel (Ni)	<10	<10	<10	75
Soluble Selenium (Se)	<5.0	<5.0	<5.0	37.5
Soluble Strontium (Sr)	130	<100	<100	4500
Soluble Tin (Sn)	<10	<10	<10	15000
Soluble Organic tin ++	<0.3	<0.3	<0.3	0.9
Soluble Zinc (Zn)	<100	<100	<100	3750





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Category (III): Scraped-off toy material:

	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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	Result (mg/kg)			Limit (mg/kg)
	(4)	(5)	(6)	
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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	Result (mg/kg)			Limit (mg/kg)
	(7)	(8)	(9)	
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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	Result (mg/kg)			Limit (mg/kg)
	(10)	(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
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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	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

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) .

The solvent, (Iso-octane) was used for removing grease from play-doh sample.





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Tested Components:

- (1) Coatings (black, white, red, blue) on PP plastic (logo, information of pd can - #E4867, #E486, #B6508).
- (2) White paper sheet with black printing (slip sheet - #E4867, #E486, #B6508).
- (3) Yellow PE plastic (can lid - #B6508).
- (4) White PE plastic (can lid - #B6508).
- (5) Blue PE plastic (can lid - #B6508).
- (6) Red PE plastic (can lid - #B6508).
- (7) Orange PE plastic (can lid - #E4867).
- (8) Green PE plastic (can lid - #E4867).
- (9) Blue PE plastic (can lid - #E4867).
- (10) Teal green PE plastic (can lid - #E4867).
- (11) Neon pink PE plastic (can lid - #E4869).
- (12) Dark purple PE plastic (can lid - #E4869).
- (13) Yellow/orange PE plastic (can lid - #E4869).
- (14) Super pastel blue PE plastic (can lid - #E4869).
- (15) Yellow PP plastic (pd can - #E4867, #E486, #B6508).
- (16) Yellow #803 play-doh (#B6508).
- (17) White #804 play-doh (#B6508).
- (18) Bright red #813 play-doh (#B6508).
- (19) Bright blue #814 play-doh (#B6508).
- (20) Neon orange #809 play-doh (#E4867).
- (21) Chartreuse #862 play-doh (#E4867).
- (22) Blue #866 play-doh (#E4867).
- (23) Teal green #822 play-doh (#E4867).
- (24) Neon pink #810 play-doh (#E4869).
- (25) Dark purple #857 play-doh (#E4869).
- (26) Yellow/orange #816 play-doh (#E4869).
- (27) Super pastel blue #866 play-doh (#E4869).

Date sample received : Apr 02, 2024

Test Period : Apr 02, 2024 to Apr 10, 2024



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End of report

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