



Test Report

Report No.: LST26041508EN

Date: May. 06, 2026

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Applicant: 010393
Address: XXXXX
Sample Name: COLOR PENCIL / CRAYONS
Sample Model: 07807 / 07809 / L6620AB22 / 07811
Supplier: 010393
Exported to: Europe
Country of Origin: CHINA
Buyer: SIPEC S.P.A.

The above information were submitted and identified by/on behalf of the applicant.

Labeled age grading: None
Age grading for testing: Over 3 years old
Applicant's specified age group for testing: Over 3 years old
Sample Receiving Date: Apr. 30, 2026
Testing Period: Apr. 30, 2026 to May. 06, 2026

Summary of Test Result(s):

No.	Test Sample	Test Requested	Result(s)
1	Submitted samples	EN 71-1:2014+A1:2018, European Standard for "Safety of toys" - Physical and Mechanical Properties(Except section 6, 7.1, 7.2)	PASS
2	Submitted samples	EN 71-2:2020+A1:2025, European Standard for "Safety of toys" - Flammability	PASS
3	Tested materials of submitted samples	European Directive 2009/48/EC and its subsequent amendments and EN 71-3:2019+A2:2024 - Migration of certain elements	PASS

*****FOR FURTHER DETAILS,PLEASE REFER TO THE FOLLOWING PAGE(S)*****

Signed for and on behalf of LST

Rory / Technical Manager

Signed for and on behalf of LST

Davy / Lab supervisor

Zhejiang Lisen Testing Technology Co., Ltd.

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Sample Description

Material No.	Component Description	Samples / Components	Remark
01	Beige wood	Barrel	A
02	Red cartridge	Cartridge	B
03	Green wax	Crayon	D
04	Pencil suit	Pencil suit	C
05	Crayon suit	Crayon suit	D

Photo of sample



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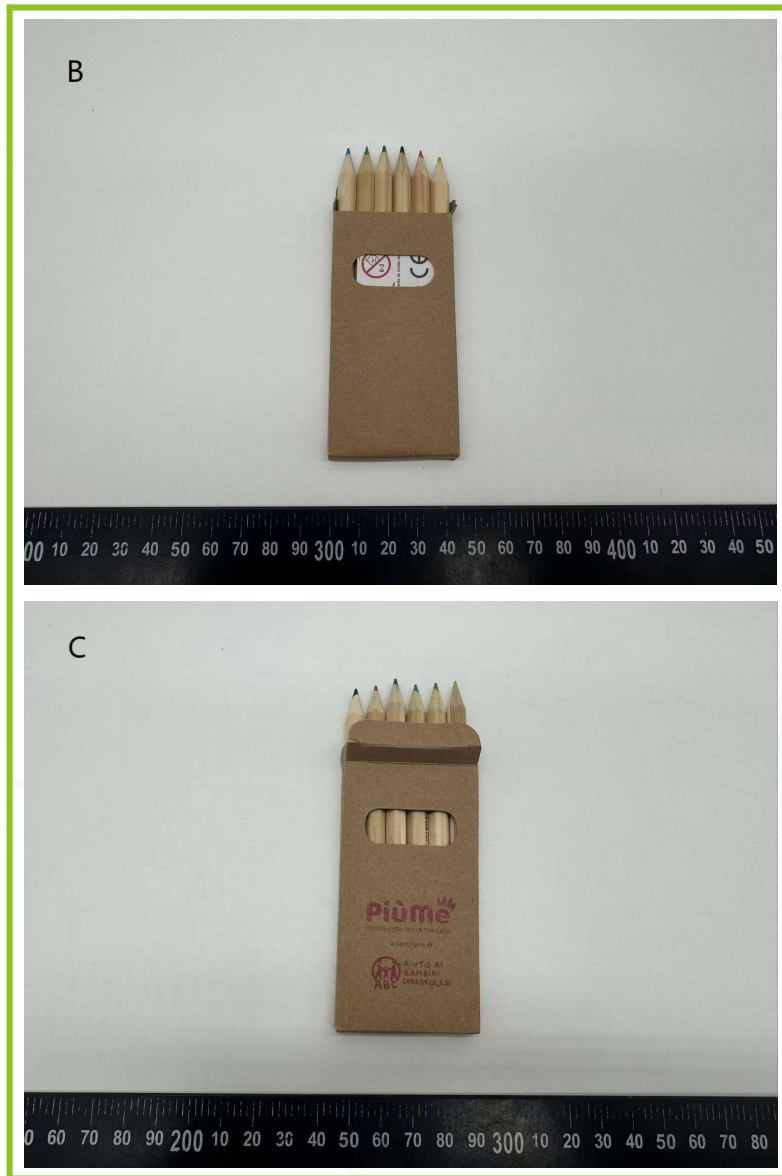


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Test Result(s):

Physical and Mechanical Properties

Method: EN 71-1:2014+A1:2018

Section	Testing Items	Assessment	
		04	05
4	General requirements		
4.1	Material cleanliness	PASS	PASS
4.2	Assembly	NA	NA
4.3	Flexible plastic sheeting	NA	NA
4.4	Toy bags	NA	NA
4.5	Glass	NA	NA
4.6	Expanding materials	NA	NA
4.7	Edges	PASS	PASS
4.8	Points and metallic wires	PASS	PASS
4.9	Protruding parts	NA	NA
4.10	Parts moving against each other	NA	NA
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	NA	NA
4.12	Balloons	NA	NA
4.13	Cords of toy kites and other flying toys	NA	NA
4.14	Enclosures	NA	NA
4.15	Toys intended to bear the mass of a child	NA	NA
4.16	Heavy immobile toys	NA	NA
4.17	Projectiles	NA	NA
4.18	Aquatic toys and inflatable toys	NA	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA	NA
4.20	Acoustics	NA	NA
4.21	Toys containing a non-electrical heat source	NA	NA
4.22	Small balls	NA	NA
4.23	Magnets	NA	NA
4.24	Yo-yo balls	NA	NA
4.25	Toys attached to food	NA	NA
4.26	Toy Disguise Coustumes	NA	NA
4.27	Flying toys	NA	NA

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5	Toys intended for children under 36 months		
5.1	General requirements:	NA	NA
5.2	Soft-filled toys and soft-filled parts of toy	NA	NA
5.3	Plastic sheeting	NA	NA
5.4	Cords, chains and electrical cables in toys	NA	NA
5.5	Liquid-filled toys	NA	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA	NA
5.7	Glass and porcelain	NA	NA
5.8	Shape and size of certain toys	NA	NA
5.9	Toys comprising monofilament fibers	NA	NA
5.10	Small balls	NA	NA
5.11	Play figures	NA	NA
5.12	Hemispheric-shaped toys	NA	NA
5.13	Suction cups	NA	NA
5.14	Straps intended to be worn fully or partially around the neck	NA	NA
5.15	Sledges with cords for pulling	NA	NA
6	Packaging	NR	NR
7	Warnings, markings and instructions for use		
7.1	General	NR	NR
7.2	Toys not intended for children under 36 months	NR	NR
7.3	Latex balloons	NA	NA
7.4	Aquatic toys	NA	NA
7.5	Functional toys	NA	NA
7.6	Hazardous sharp functional edges and points	NA	NA
7.7	Projectiles	NA	NA
7.8	Imitation protective masks and helmets	NA	NA
7.9	Toy kites	NA	NA
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	NA	NA
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator	NA	NA
7.12	Liquids-filled teethingers	NA	NA
7.13	Percussion caps specifically designed for use in toys	NA	NA

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7.14	Acoustics	NA	NA
7.15	Toy bicycles	NA	NA
7.16	Toys intended to bear the mass of a child	NA	NA
7.17	Toys comprising monofilament fibres	NA	NA
7.18	Toy scooters	NA	NA
7.19	Rocking horses and similar toys	NA	NA
7.20	Magnetic/electrical experimental sets	NA	NA
7.21	Toys with electrical cables exceeding 300mm in length	NA	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA	NA
7.24	Sledges with cords for pulling	NA	NA
7.25	Flying toys	NA	NA
7.26	Improvised projectiles	NA	NA

Note: 1. NA = Not Applicable
2. NR = Not Requested

Flammability

Method: EN 71-2:2020+A1:2025

Section	Testing Items	Assessment	
		04	05
4.1	General requirements	PASS	PASS
4.2	Toys to be worn on the head	NA	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA	NA
4.4	Toys intended to be entered by a child	NA	NA
4.5	Soft-filled toys	NA	NA

Note: NA = Not Applicable.

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EN 71-3:2019+A2:2024 - Migration of Certain Elements

Method: General elements, with reference to EN 71-3:2019+A2:2024, analyzed by Inductively coupled plasma mass spectrometer (ICP-MS) .

Test Item(s)	Result (mg/kg)		
	01	02	03
Category Type	III	I	I
Extractable Lead (Pb)	N.D.	0.46	N.D.
Extractable Antimony (Sb)	N.D.	N.D.	N.D.
Extractable Arsenic (As)	N.D.	N.D.	N.D.
Extractable Barium (Ba)	N.D.	233	N.D.
Extractable Cadmium (Cd)	N.D.	N.D.	N.D.
Extractable Mercury (Hg)	N.D.	N.D.	N.D.
Extractable Selenium (Se)	N.D.	N.D.	N.D.
Extractable Boron (B)	N.D.	N.D.	N.D.
Extractable Cobalt (Co)	N.D.	N.D.	N.D.
Extractable Manganese (Mn)	N.D.	21	N.D.
Extractable Strontium (Sr)	N.D.	16	N.D.
Extractable Zinc (Zn)	N.D.	N.D.	N.D.
Extractable Copper (Cu)	N.D.	N.D.	N.D.
Extractable Aluminium (Al)	N.D.	231	N.D.
Extractable Nickel (Ni)	N.D.	N.D.	N.D.
Extractable Tin (Sn) ^{1#}	N.D.	N.D.	N.D.
Extractable Organic Tin ^{1#}	/	/	/
Extractable Chromium ^{2#}	0.040	0.366	0.019
Extractable Chromium (III) (Cr III) ^{3#}	N.D.	N.D.	N.D.
Extractable Chromium (VI) (Cr VI) ^{2#}	N.D.	N.D.	N.D.
Conclusion(s)	PASS	PASS	PASS

- Note:**
1. mg/kg = milligram per kilogram.
 2. RL = Reporting Limit.
 3. N.D. = Not Detected (< RL).
 4. 1# - Result of Organic Tin is calculated by assuming the extractable Tin content is wholly contributed from tributyltin (TBT) cation unless further specified. If migration of total tin were not detected, it can be presumed that the material complies with the requirements for both tin and organic tin for that specific category; Otherwise, Extractable Organic Tin were verified by below method: EN 71-3:2019+A2:2024 Annex G, analyzed by GC-MS.
 5. 2# - If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be

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inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI). Otherwise, Extractable Chromium (VI) were verified by below method:

EN 71-3:2019+A2:2024 Annex F, analyzed by IC-ICP-MS.

6. 3# - In particular Chromium (III) is calculated by subtracting the Chromium (VI) concentration from the total chromium concentration.

Limited Value for migration of certain elements:

European Directive 2009/48/EC and its subsequent amendments and EN 71-3:2019+A2:2024.

Test Item(s)	Limited Value(mg/kg)					
	Category I		Category II		Category III	
	RL	Limit	RL	Limit	RL	Limit
Extractable Lead (Pb)	0.2	2.0	0.2	0.5	5	23
Extractable Antimony (Sb)	1	45	1	11.3	5	560
Extractable Arsenic (As)	0.2	3.8	0.2	0.9	5	47
Extractable Barium (Ba)	10	1500	10	375	50	18750
Extractable Cadmium (Cd)	0.1	1.3	0.1	0.3	1	17
Extractable Mercury (Hg)	0.5	7.5	0.5	1.9	5	94
Extractable Selenium (Se)	1	37.5	1	9.4	5	460
Extractable Boron (B)	10	1200	10	300	50	15000
Extractable Cobalt (Co)	0.5	10.5	0.5	2.6	5	130
Extractable Manganese (Mn)	10	1200	10	300	50	15000
Extractable Strontium (Sr)	10	4500	10	1125	50	56000
Extractable Zinc (Zn)	10	3750	10	938	50	46000
Extractable Copper (Cu)	10	622.5	10	156	50	7700
Extractable Aluminum (Al)	10	2250	10	560	50	28130
Extractable Nickel (Ni)	2	75	2	18.8	5	930
Extractable Tin (Sn)	0.2	15000	0.05	3750	2	180000
Extractable Organic Tin	0.2	0.9	0.1	0.2	2	12
Extractable Chromium	0.01	-	0.0025	-	0.026	-
Extractable Chromium (III) (Cr III)	2	37.5	2	9.4	5	460
Extractable Chromium (VI) (Cr VI)	0.01	0.02	0.0025	0.005	0.026	0.053

Note: Category I: dry, brittle, powder-like or pliable toy material

Category II: liquid or sticky toy material

Category III: scraped-off toy material

"-" = Not Regulated

End of Report

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