

# TEST REPORT

**Applicant** : Ningbo missinteresting imp and exp co.,ltd.  
**Address** : No.19 jingu south road, yinzhou investment district, ningbo

## Report on the submitted sample said to be:

**Sample name** : Women zipper Compression Socks  
**Model** : MS-205  
**Trade Name** : N/A  
**Manufacture** : Ningbo missinteresting imp and exp co.,ltd.  
**Address** : No.19 jingu south road, yinzhou investment district, ningbo  
**Label Age Grading** : Not stated  
**Request Age Grading** : 3+  
**Sample received date** : Jul. 06, 2021  
**Testing period** : Jul. 06, 2021- Jul. 11, 2021

Signed for and on behalf of ZTS

Tested By: Qian He Examine By : Tony mo

Approved By: Bert Yang Date: Jul. 11, 2021  
**Lab Manager : Bert Yang**

**Result Summary:**

No	Test Sample	Standard And Requested	Conclusion
1	Submitted sample	EN 71-1:2014+A1:2018 European Standard for Safety of Toys -Mechanical and Physical Properties	Pass
2	Submitted sample	EN 71-2:2011+A1:2014 European Standard for Safety of Toys -Flammability	Pass
3	Submitted sample	EN71-3:2019 European Standard for Safety of Toys Scraped-off toy material -Migration of Certain Elements	Pass

**Test Result(s):** Please refer to next page(s).

此报告无效

**TESTS CONDUCTED:**

1) Mechanical and Physical Properties – EN 71-1:2014+A1:2018		
Section	Test Item	Assessment
4.1	Material cleanliness	PASS
4.2	Assembly	PASS
4.3	Flexible plastic sheeting	PASS
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	PASS
4.8	Points and metallic wires	PASS
4.9	Protruding parts	PASS
4.10	Parts moving against each other	PASS
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	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 a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnet	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 18 months	
5.1	General requirements	PASS
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	PASS
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	PASS
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shape 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	PASS
7	Warnings ,markings and instructions for use	
7.1	General	PASS
7.2	Toys not intended for children under 18 months	PASS
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	PASS
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectiles	NA

1) Mechanical and Physical Properties – EN 71-1:2014+A1:2018		
Section	Test Item	Assessment
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	PASS
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

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

**Test Result(s):**

## 2) Flammability – EN 71-2:2011+A1:2014

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

**Note:** NA = Not Applicable

## 3) Migration of Certain Elements

Method: With reference to EN71-3:2019, analyzed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES), Gas Chromatograph-Mass Spectrometry (GC-MS) and ion chromatograph.

Test Item(s).	RL (mg/kg)	Result (mg/kg)	
		1	2
Aluminium (Al)	5.0	N.D.	N.D.
Antimony (Sb)	5.0	N.D.	N.D.
Arsenic (As)	0.5	N.D.	N.D.
Barium (Ba)	5.0	N.D.	N.D.
Boron (B)	5.0	N.D.	N.D.
Cadmium (Cd)	0.2	N.D.	N.D.
Chromium(III) (Cr3+)	2.0	N.D.	N.D.
Chromium(VI) (Cr6+)	0.2	N.D.	N.D.
Cobalt (Co)	1.0	N.D.	N.D.
Copper (Cu)	5.0	N.D.	N.D.
Lead (Pb)	2.0	N.D.	N.D.
Manganese (Mn)	5.0	N.D.	N.D.
Mercury (Hg)	1.0	N.D.	N.D.
Nickel (Ni)	5.0	N.D.	N.D.
Selenium (Se)	5.0	N.D.	N.D.
Strontium (Sr)	5.0	N.D.	N.D.
Tin (Sn)	5.0	N.D.	N.D.
Organic tin☆	0.1	N.D.	N.D.
Zinc (Zn)	5.0	N.D.	N.D.
<b>Conclusion</b>		PASS	

- Note:**
1. mg/kg = part per million (ppm).
  2. N.D. = Not Detected (< RL).
  3. RL = Report Limit.
  4. “☆” = The migration of organic tin is expressed as tributyltin.

**The table of Migration Elements limit:**

Substance	Limit (mg/kg)		
	Dry, brittle, powder-like or pliable toy material	Liquid or sticky toy material	Scraped-off toy material
Aluminium (Al)	5625	1406	70000
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 <sup>3+</sup> )	37.5	9.4	460
Chromium(VI) (Cr <sup>6+</sup> )	0.02	0.005	0.2/0.053 <sup>a</sup>
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:  
 “◇” = 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.

**Test Material List:**

The following materials apply only to the samples submitted for testing

Material No.	Description
1	Black socks
2	Black zipper

PHOTO OF SAMPLE



Photo 1

\*\*\*\*\* END OF THE REPORT \*\*\*\*\*