

**Test Report**

No.: NBHL2305008214SD

Date: MAY 16, 2023

Page: 1 of 8

ZHEJIANG TREASURE CRAFTS CO.,LTD  
NO.743-792,DONGTANG RD, LONGGANG,WENZHOU CITY,325802,ZHEJIANG,CHINA

The following sample(s) was/were submitted and identified by the client as:

Sample Description : MEDALS

Sample Quantity : 12 PCS  
Labelled Age Grading : NOT STATED  
Requested Age Grading : 5+ YEARS

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Age Group Applied in Testing : 5+ YEARS  
Sample Receiving Date : MAY 9, 2023  
Testing Period : MAY 9, 2023 TO MAY 16, 2023

Test Requested

Result

- |  |  |
|--|--|
| <p>This is not a toy, the test(s) was applied as per client request. There may be additional hazards and labeling requirements that are not covered by this standard:</p> <ol style="list-style-type: none"> <li>1. EN 71-1:2014+A1:2018 – Safety of toys – Part 1: Mechanical and Physical Properties<br/>EN 71-2:2020 – Safety of toys – Part 2: Flammability<br/>COMMISSION IMPLEMENTING DECISION (EU) 2023/740 on harmonised standards for toys drafted in support of Directive 2009/48/EC - EN71-3: 2019+A1:2021 - Migration of certain elements</li> <li>2. Entry 23 of Regulation (EU) 2016/217 amending Annex XVII of REACH Regulation (EC) No 1907/2006- Cadmium and its compounds</li> <li>3. Entry 43 of Regulation (EU) 2020/2096 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - AZO Dyes</li> <li>4. Entry 51 of Regulation (EU) 2018/2005 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Phthalate</li> <li>5. Entry 52 of Regulation (EU) 2015/326 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Phthalate</li> <li>6. Entry 63 of Regulation (EU) 2015/628 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Total Lead (Metal)</li> </ol> | <p><u>Pass</u></p> <p><u>Pass</u></p> <p><u>See Result</u></p> <p><u>Pass</u></p> <p><u>Pass</u></p> <p><u>Pass</u></p> <p><u>Pass</u></p> |
|--|--|



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The declaration of conformity is only based on the actual value of laboratory activity while measurement uncertainty of the results is not taken into account.

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch

*Ruby Gu*

Ruby Gu  
Authorized Signatory



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**Test Conducted:**

**1. European Standard on Safety of Toys**

**EN 71-1:2014+A1:2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES**

AS SPECIFIED IN EN 71-1:2014+A1:2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	General requirements	
4.1	Material cleanliness**	<u>Pass</u>
4.7	Edges	<u>Pass</u>
4.8	Points and metallic wires	<u>Pass</u>

\*\* Visual Examination

**EN 71-2:2020 – SAFETY OF TOYS – PART 2: FLAMMABILITY**

AS SPECIFIED IN EN 71-2:2020 – SAFETY OF TOYS – PART 2: FLAMMABILITY

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4.1	General requirements	<u>Pass</u>

Type of gas: Butane gas used in the test burner

N.B. : - Only applicable clauses were shown.

**Test Part Description:**

<b>SN ID</b>	<b>Sample No.</b>	<b>SGS Sample ID</b>	<b>Description</b>
SN1	A1	NGB23-0017922-0001.C001	Grey webbing with print
SN2	A2	NGB23-0017922-0001.C002	Black plastic buckle
SN3	A3	NGB23-0017922-0001.C003	Silvery metal medal
SN4	A4	NGB23-0017922-0001.C004	Blue webbing with print

**Remarks:**

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) “-“ = Not Regulated



**COMMISSION IMPLEMENTING DECISION (EU) 2023/740 on harmonised standards for toys drafted in support of Directive 2009/48/EC - EN71-3: 2019+A1:2021 - Migration of certain elements (Category III:for scrapped-off toy material)**

Test Method: With reference to EN 71-3:2019+A1:2021, analysis was performed by ICP-OES, IC-UV or LC-ICP-MS.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit(s)</u>	<u>MDL</u>	<u>A1</u>	<u>A2</u>	<u>A3</u>
Soluble Lead(Pb)	23	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	560	mg/kg	10	ND	ND	ND
Soluble Arsenic(As)	47	mg/kg	10	ND	ND	ND
Soluble Barium(Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Cadmium(Cd)	17	mg/kg	5	ND	ND	ND
Soluble Chromium(III)(CrIII)	460	mg/kg	5	ND	ND	ND
Soluble Chromium(VI)(Cr VI)	0.053	mg/kg	0.025	ND	ND	ND
Soluble Mercury(Hg)	94	mg/kg	10	ND	ND	ND
Soluble Selenium(Se)	460	mg/kg	10	ND	ND	ND
Soluble Boron(B)	15000	mg/kg	50	ND	ND	ND
Soluble Cobalt(Co)	130	mg/kg	10	ND	ND	ND
Soluble Manganese(Mn)	15000	mg/kg	50	ND	ND	ND
Soluble Strontium(Sr)	56000	mg/kg	50	ND	ND	ND
Soluble Zinc(Zn)	46000	mg/kg	50	ND	ND	104
Soluble Copper(Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Aluminum(Al)	28130	mg/kg	50	ND	ND	ND
Soluble Nickel(Ni)	930	mg/kg	10	ND	ND	ND
Soluble Tin(Sn)	180000	mg/kg	3	ND	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND	ND

**Notes:**

- (1) According to the Commission Implementing Decision (EU) 2023/740 of April 5, 2023, published in the OJEU. The EN 71-3:2019+A1:2021 is adopted as the harmonized standard for toys drafted in support of Directive 2009/48/EC.
- (2) According to Chapter of 10.1.2 of EN 71-3:2019+A1:2021, Chromium (III) is calculated by the following formula:  
Soluble Chromium (III) = Soluble Total Chromium - Soluble Chromium (VI)
- (3) \*Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019+A1:2021.



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### 2. Entry 23 of Regulation (EU) 2016/217 amending Annex XVII of REACH Regulation (EC) No 1907/2006- Cadmium and its compounds

Test Method: With reference to US EPA 3050B:1996, analysis was performed by ICP-OES/AAS.

Test Item(s)	Limit	Unit(s)	MDL	A3
Cadmium(Cd)	0.01	%	0.0005	0.0009
<b>Conclusion</b>				<b>Pass</b>

### 3. Entry 43 of Regulation (EU) 2020/2096 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - AZO Dyes

Test Method: With reference to EN ISO 14362-1:2017, analysis was performed by GC-MS/HPLC-DAD.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A4	
					Direct Reduction *	Colorant Extraction *
4-Aminobiphenyl	92-67-1	30	mg/kg	5	ND	ND
Benzidine	92-87-5	30	mg/kg	5	ND	ND
4-Chlor-o-toluidine	95-69-2	30	mg/kg	5	ND	ND
2-Naphthylamine	91-59-8	30	mg/kg	5	ND	ND
o-Aminoazotoluene	97-56-3	30	mg/kg	5	ND	ND
5-Nitro-o-Toluidine/2-Amino-4-Nitrotoluene	99-55-8	30	mg/kg	5	ND	ND
4-Chloroaniline	106-47-8	30	mg/kg	5	ND	ND
4-Methoxy-m-Phenylenediamine/2,4-Diaminoanisole	615-05-4	30	mg/kg	5	ND	ND
4,4'-Diaminodiphenylmethane, MDA	101-77-9	30	mg/kg	5	ND	ND
3,3'-Dichlorobenzidine	91-94-1	30	mg/kg	5	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	30	mg/kg	5	ND	ND
3,3'-Dimethylbenzidine	119-93-7	30	mg/kg	5	ND	ND
4,4'-methylenedi-o-Toluidine/3,3'-Dimethyl-4,4'-Diaminodiphenylmethane	838-88-0	30	mg/kg	5	ND	ND
p-Cresidine	120-71-8	30	mg/kg	5	ND	ND
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	30	mg/kg	5	ND	ND
4,4'-Oxydianiline	101-80-4	30	mg/kg	5	ND	ND
4,4'-Thiodianiline	139-65-1	30	mg/kg	5	ND	ND
o-Toluidine	95-53-4	30	mg/kg	5	ND	ND
4-Methyl-m-Phenylenediamine/2,4-Toluyldiamine, TDA	95-80-7	30	mg/kg	5	ND	ND



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Test Item(s)	CAS No.	Limit	Unit(s)	MDL		A4
2,4,5-Trimethylaniline	137-17-7	30	mg/kg	5	ND	ND
4-Aminoazobenzene	60-09-3	30	mg/kg	5	ND	ND
O-Anisidine	90-04-0	30	mg/kg	5	ND	ND
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

### Notes:

- (1) \*Direct reduction refers to the extraction and reduction according to EN ISO 14362-1:2017 clause 10.2 and relevant clauses.  
\*Colorant extraction refers to the colourant extraction and subsequent reduction according to EN ISO 14362-1:2017 Clause 10.1 and relevant clauses.
- (2) 4-Aminodiphenyl (CAS No. 92-67-1), 2-Naphthylamine (CAS No. 91-59-8) and 2,4-Diaminoanisole (CAS No. 615-05-4) can be indirectly generated from some colorants which do not contain these amines azo bound. The use of banned azo colorants cannot be reliably ascertained without additional information.
- (3) In case PU is used, e.g. PU Foams or coatings, it cannot be ruled out that MDA (CAS No. 101-77-9) and TDA (CAS No. 95-80-7) can be released from PU material, not from banned azo colorant. Similarly, for pigment prints, MDA will be released from a chemical fixing agent.
- (4) EN ISO 14362-1:2017 will enable further cleavage of 4-AAB (CAS No. 60-09-3) to non-forbidden amines: aniline and p-phenylenediamine. If aniline and/or p-phenylenediamine is not found, 4-AAB is considered as "n.d." (i.e. <5.0 mg/kg). Otherwise, EN ISO 14362-3:2017 will be employed to verify the presence of 4-AAB.

### 4. Entry 51 of Regulation (EU) 2018/2005 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Phthalate

Test Method: With reference to EN 14372:2004, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A2
Dibutyl Phthalate(DBP)	84-74-2	0.1	%	0.003	ND
Benzyl Butyl Phthalate(BBP)	85-68-7	0.1	%	0.003	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	117-81-7	0.1	%	0.003	ND
Diisobutyl Phthalate(DIBP)	84-69-5	0.1	%	0.003	ND
Sum of (DBP,BBP,DEHP,DIBP)	-	0.1	%	-	ND
<b>Conclusion</b>					<b>Pass</b>

### Notes:

DBP,BBP,DEHP, DIBP Reference information: Entry 51 of Regulation (EU) 2018/2005 amending Annex XVII of REACH Regulation (EC) No 1907/2006:

- Shall not be used as substances or in mixtures, individually or in any combination of DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material, in toys and childcare articles.
- Shall not be placed on the market in toys or childcare articles, individually or in any combination of DBP, BBP, DEHP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material.  
In addition, DIBP shall not be placed on the market after 7 July 2020 in toys or childcare articles, individually or in any combination of DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material.
- shall not be placed on the market after 7 July 2020 in articles, individually or in any combination of DBP,



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BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material in the articles.

Please refer to Regulation (EU) 2018/2005 to get more detail information.

**5. Entry 52 of Regulation (EU) 2015/326 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Phthalate**

Test Method: With reference to EN 14372: 2004, analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>CAS No.</u>	<u>Limit</u>	<u>Unit(s)</u>	<u>MDL</u>	<u>A2</u>
Diisononyl Phthalate (DINP)	28553-12-0	-	%	0.010	ND
	/68515-48-0				
Di-n-Octyl Phthalate(DNOP)	117-84-0	-	%	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0	-	%	0.010	ND
	/68515-49-1				
Sum of (DINP,DNOP,DIDP)	-	0.1	%	-	ND
<b>Conclusion</b>					<b>Pass</b>

**Notes:**

DINP, DNOP, DIDP Reference information: Entry 52 of Regulation (EU) 2015/326 amending Annex XVII of REACH Regulation (EC) No 1907/2006.

- i) Shall not be used as substances or in mixtures, in concentrations greater than 0.1 % by weight of the plasticised material, in toys and childcare articles which can be placed in the mouth by children.
- ii) Such toys and childcare articles containing these phthalates in a concentration greater than 0.1 % by weight of the plasticised material shall not be placed on the market.

Please refer to Regulation (EU) 2015/326 to get more detail information.

**6. Entry 63 of Regulation (EU) 2015/628 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Total Lead (Metal)**

Test Method: With reference to CPSC-CH-E1001-08.3, analysis was performed by AAS/ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit(s)</u>	<u>MDL</u>	<u>A3</u>
Total Lead (Pb)	500	mg/kg	20	41
<b>Conclusion</b>				<b>Pass</b>

**Notes:**

When the result is equal to or greater than 500 mg/kg, the limit shall not apply where it can be demonstrated that the rate of Lead release from such an article or any such accessible part of an article, whether coated or uncoated, does not exceed 0.05 µg/cm<sup>2</sup>/h (equivalent to 0.05 µg/g/h), further migration test is requested per EN 16711-3: 2019 for compliance.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



### Sample Photo:



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\*\*\*End of Report\*\*\*

