



TEST REPORT

MID OCEAN BRANDS B.V.

Technical Report: (3222)070-0023

Date Received: Mar.11,2022

Mar.23,2022

Page 1 of 13

MID OCEAN BRANDS B.V.
7/F., KINGS TOWER, 111 KING LAM STREET, CHEUNG SHA
WAN, KOWLOON, HONG KONG

SAMPLE INFORMATION:

Sample Description:	CRAYON SET	Sample Quantity:	N/A
Vendor:	111041	Style No(s):	IT1329
Manufacturer:	N/A	SKN/SKU No.:	N/A
Buyer:	N/A	PO No.:	N/A
Labeled Age Grade:	NOT PROVIDED	Ref #:	N/A
Appropriate Age Grade:	N/A	Country of Origin:	N/A
Client Specified Age Grade:	OVER 3 YEARS OF AGE	Assortment No.:	N/A
Tested Age Grade:	OVER 3 YEARS OF AGE	Country of Destination:	N/A
UPC Code:	N/A	Color :	N/A

EXECUTIVE SUMMARY:

TEST REQUESTED	CONCLUSION
The mechanical and physical properties requirements of the tested subclauses of the European Standard, "Safety of toys", EN71: Part 1:2014+A1:2018, clauses 1-7.	PASS See Note 2&3
The flammability requirements of the European Standard "Safety of Toys", EN 71: Part 2: 2020	PASS
Phthalates Content – Reference to regulation (EC) No. 1907/2006 Annex XVII Entry 51 & 52	PASS
Total Cadmium Content in Plastic Material - European Parliament and Council Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) with its Latest Amendment, Entry 23	PASS
Migration of Certain Elements - EN71-3:2019+A1:2021	PASS
Total Cadmium Content & As Client's requirement	PASS
Benzene Content – Reference to Regulation (EC) No. 1907/2006 Annex XVII Entry 5, Point 3	PASS

Note:

- 1.The sample is tested as " Over 3 years of age " per the client's request .
2. No relevant packaging was provided with the submitted sample(s), consequently, evaluation of the labeling requirements of this European Standard, "Safety of toys", EN71: Part 1:2014+A1:2018, clauses 7, was not conducted.
- 3.The submitted sample **contains** small part **as-received**, thus,according to EN71: Part 1:2014+A1:2018,the following small part warning is required.
"Warning! Not suitable for children under 36 months.Small parts.Chocking hazard.

Remark:The report test data with "▲" take from report (2421)365-8022 data Mar.14,2022.

**Bureau Veritas Testing Technical Service
(Zhejiang) Co.,Ltd**

1F west, 6F east, 7F east, 8F, Building B,
No.66,Qingyi Road, Ningbo, Zhejiang, China
Tel:86-574-87091333, Fax:86-574-
87971038

website:cps.bureauveritas.com

This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



MID OCEAN BRANDS B.V.
Technical Report: **(3222)070-0023**
Mar.23,2022
Page 2 of 13

BVCPS (ZHEJIANG) GENERAL CONTACT INFORMATION FOR THIS REPORT

TELEPHONE NO. : 86-574-87091207 / 87091330
E-MAIL : Heben.He@bureauveritas.com / Allen.He@bureauveritas.com

Bureau Veritas Testing Technical Service (Zhejiang) Co., Ltd

Heben He
Technical Supervisor (HARDLINE AND TOY DIVISION)

APPROPRIATE AGE GRADE DETERMINATION

The Appropriate Age Grade is determined with reference to the EN71: Part 1:2014+A1:2018, European Union Guidance Documents, CEN ISO/TR 8124-8:2016 Safety of toys - Part 8: Age determination guidelines and Age Determination Guidelines: Relating Children's Ages to Toy Characteristics and Play Behavior, September, 2002	
Note :	The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing.
Note :	If the client does not specify an age grade for testing or request Bureau Veritas Consumer Products Services, Inc. to determine an appropriate age grade, the labeled age grade will be used for testing.

EXPLANATION OF THE ABBREVIATIONS FOR PART 1, 2

Symbol	Explanation
NM	The samples are NOT IN COMPLIANCE WITH the requirement of this Subclause
M	The samples are IN COMPLIANCE WITH the requirement of this Subclause
N/A	Not Applicable
NR	Not Requested
NE	Not Evaluated
NP	None Present
P	Present
R	Refer to Comment Section of this report

Symbol	Language Present	Symbol	Language Present	Symbol	Language Present
B	Belgian language	G	German language	PR	Portuguese language
D	Danish language	GR	Greek language	S	Spanish language
E	English language	H	Dutch language	SD	Swedish language
F	Finnish language	I	Italian language	SZ	Swiss language
FR	French language	N	Norwegian language		

**MECHANICAL & PHYSICAL PROPERTIES
(EN 71: PART 1:2014+A1 :2018)**

Subclause	Requirement	Result
4.1	Material cleanliness	M
4.2	Assembly	N/A
4.3	Flexible plastic sheeting	N/A
4.4	Toy Bags	N/A
4.5	Glass	N/A
4.6	Expanding materials	N/A
4.7 & 7.6	Edges	M
4.8 & 7.6	Points and metallic wires	M
4.8e	Splinters	M
4.9	Protruding parts	N/A
4.10.1	Folding and sliding mechanisms	N/A
4.10.2	Driving mechanisms	N/A
4.10.3	Hinges	N/A
4.10.4	Springs	N/A
4.11	Mouth actuated toys and other toys intended to be put in the mouth	N/A
4.12 & 7.3	Balloons	N/A
4.13 & 7.9	Cord of toy kites and other flying toys	N/A
4.14.1	Toys which a child can enter	N/A
4.14.2 & 7.8	Masks and helmets	N/A
4.15.1	Toys propelled by child	
4.15.1.2 & 7.10.1 & 7.10.2 & 7.10.3 & 7.10.4 & 7.16	Toys propelled by child – Instructions for use	N/A
4.15.1.3	Toys propelled by child – Strength	N/A
4.15.1.4	Toys propelled by child – Stability	N/A
4.15.1.5	Toys propelled by child – Braking	N/A
4.15.1.6	Toys propelled by child - Transmission	N/A
4.15.1.7	Toys propelled by child – insertion mark	N/A
4.15.1.8	Electrically-driven ride-on toys	N/A
4.15.2	Toy bicycles	
4.15.2.2 & 7.15	Toy bicycles – Warnings and instructions for use	N/A
4.15.2.3	Toy bicycles – Braking	N/A
4.15.3 & 7.16 & 7.19	Rocking horses and similar toys	N/A
4.15.4 & 7.16	Toys not propelled by child	N/A
4.15.5 & 7.18	Toy scooters	N/A
4.16	Heavy immobile toys	N/A
4.17.2	All projectiles	N/A
4.17.3 & 7.7	Projectile toys with stored energy	N/A
4.17.4 & 7.26	Certain projectile toys without stored energy	N/A
4.18 & 7.4	Aquatic toys and inflatable toys	N/A
4.19 & 7.13 & 7.14	Percussion caps	N/A
*4.20.2.1- 4.20.2.8, 4.20.2.10, 4.20.2.12	Acoustics	N/A

**MECHANICAL & PHYSICAL PROPERTIES
 (EN 71: PART 1:2014+A1 :2018)**

Subclause	Requirement	Result
4.20.2.9, 4.20.2.11 & 7.14	Acoustics – percussion toys & cap-firing toys	N/A
4.21	Toys containing a non-electrical heat source	N/A
4.22 & 7.2	Small balls	N/A
4.23	Magnet	
4.23.2 a, b & c	Toy other than magnetic / electrical experimental sets intended for children over 8 years	N/A
4.23.3 & 7.20	Magnetic / electrical experimental sets intended for children over 8 years	N/A
4.24	Yo-yo ball	N/A
4.25	Toys attached to food	N/A
4.26	Toy Disguise Costumes	N/A
4.27.1	Flying toys – General	N/A
4.27.2 & 7.25.1	Rotors and propellers on flying toys	N/A
4.27.3 & 7.25.2	Rotors and propellers on remote controlled flying toys	N/A
FOR TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS		
5.1	General	N/A
5.1a	Small parts – as received	N/A
5.1b	Small parts, sharp points, sharp edges – after tests	N/A
5.1c	Cross section <2mm metal points & wires	N/A
5.1e	Toys contain glue	N/A
5.1f	Casing of toys	N/A
5.2	Fillings, coverings and seams	N/A
5.3	Adhesion of plastic sheeting	N/A
5.4.2	Cords and chains in toys intended for children under 18 months	N/A
5.4.3 & 7.22	Cords and chains in toys intended for children of 18 months or over but under 36 months	N/A
5.4.4	Fixed loops, tangled loops and nooses	N/A
5.4.5	Cords and chains on pull along toys	N/A
5.4.6 & 7.21	Electrical cables	N/A
5.4.7	Cross-sectional dimension of certain cords	N/A
5.4.8	Self-retracting cords	N/A
5.4.9 & 7.11 & 7.23	Toys attached to or intended to be strung across a cradle, cot or perambulator	N/A
5.5 & 7.12	Liquid filled toys	N/A
5.6	Electrically driven toys	N/A
5.7	Glass and porcelain	N/A
5.8	Shape and size	N/A
5.9 & 7.17	Monofilament fibres	N/A
5.10	Small balls	N/A
5.11	Play figures	N/A
5.12	Hemispheric shaped toys	N/A
5.13	Suction cups	N/A
5.14	Straps intended to be worn fully or partially around the neck	N/A
5.15 & 7.24	Sledges with cords for pulling	N/A
6	Packaging	N/A



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3222)070-0023**
Mar.23,2022
Page 6 of 13

**MECHANICAL & PHYSICAL PROPERTIES
(EN 71: PART 1:2014+A1 :2018)**

Subclause	Requirement	Result
	WARNINGS, INSTRUCTIONS FOR USE	
7.1	General	SEE NOTE 2
7.2	Toys not intended for children under 36 months	SEE NOTE 2&3
7.5	Functional toys	SEE NOTE 2

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 1

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.3	8.25.1	4.14.2	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.11, 8.12	4.17.3	8.24.1	5.3	8.4.2.1, 8.25
4.5	8.5, 8.7, 8.11, 8.12	4.15.1.3	8.11, 8.12, 8.21, 8.22	4.17.4	8.24.2	5.4	8.20, 8.36, 8.38, 8.39, 8.40
4.6	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.14	4.15.1.4	8.23.1	4.18	8.2, 8.3, 8.4.2.1	5.5	8.15
4.7	8.11	4.15.1.5	8.26.1	4.20	8.28	5.6	8.29
4.8	8.12, 8.13	4.15.1.8	8.29	4.21	8.30	5.8	8.16
4.9	8.4.2.3, 8.11, 8.12	4.15.2.4	8.26.2	4.22	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.32	5.10	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9, 8.32
4.10.1	8.18.2, 8.18.3	4.15.3	8.21, 8.23.1	4.23	8.2, 8.3, 8.4.2.1, 8.4.2.2, 8.5, 8.6, 8.7, 8.8, 8.34, 8.35	5.11	8.33
4.10.2	8.5, 8.6, 8.7, 8.11, 8.12	4.15.4	8.21, 8.23.1	4.24	8.37	5.12	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9,
4.11	8.2, 8.3, 8.4.2.1, 8.9, 8.17	4.15.5	8.11, 8.12, 8.21, 8.22, 8.26.3, 8.27	4.25	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32.1	5.13	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32
4.13	8.19	4.16	8.23.2	5.1	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.9, 8.11, 8.12		
4.14.1	8.31.1, 8.31.2	4.17.1	8.4.2.3				



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3222)070-0023**

Mar.23,2022

Page 7 of 13

FLAMMABILITY (EN 71 PART 2: 2020)

Subclause	Requirement	Result
4.1	Cellulose nitrate	NP
4.1	Highly flammable solids	NP
4.1	Surface flash on a piled surface	N/A
4.1	Flammable gases	N/A
4.1	Extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels	N/A
4.2	Toys to be worn on the head	N/A
4.3	Toy disguise costumes and toys intended to be worn by child in play	N/A
4.3	warning on product and packaging (10 - 30 mm/s)	N/A
4.4	Toys intended to be entered by a child	N/A
4.4	warning on product and packaging (10 – 30 mm/s)	N/A
4.5	Soft-filled toys	N/A

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 2

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.2.2	5.2	4.2.4	5.3	4.3	5.4	4.5	5.5
4.2.3	5.3	4.2.5	5.4	4.4	5.4	-	-

Tested Component(s) Breakdown List

Test Item	Description	Location	Style
1	Red clay	-	-
2	Yellow clay	-	-
3	Deep green clay	-	-
4	Blue clay	-	-
5	Pink clay	-	-
6	Brown clay	-	-
7	Red plastic	-	-
8	Yellow plastic	-	-
9	Blue plastic	-	-
10	Deep green plastic	-	-
11	Pink plastic	-	-
12	Brown plastic	-	-
13	Transparent plastic	-	-

Phthalates Content – Reference to regulation (EC) No. 1907/2006 Annex XVII Entry 51 & 52

Test Method : Reference to EN 14732:2004.

Parameter	Unit	Result			Maximum Allowable Limit
		7+8+9	10+11+12	13	
A. For toys and childcare articles	-	-	-	-	-
DBP	mg/kg	ND	ND	ND	-
BBP	mg/kg	ND	ND	ND	-
DEHP	mg/kg	ND	ND	ND	-
DiBP	mg/kg	ND	ND	ND	-
Sum of DBP, BBP, DEHP, DIBP	mg/kg	ND	ND	ND	1000
B. Additional requirements for toys and childcare articles, which can be placed in mouth by the children (See remark)	-	-	-	-	-
DnOP	mg/kg	ND	ND	ND	-
DINP	mg/kg	ND	ND	ND	-
DIDP	mg/kg	ND	ND	ND	-
Sum of DNOP, DIDP, DINP	mg/kg	ND	ND	ND	1000
Conclusion	-	PASS	PASS	PASS	-

Note / Key:

ND = Not Detected

Conc. = Concentration

Detection Limit (%): Each 0.005

% = percentage



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3222)070-0023**

Mar.23,2022

Page 9 of 13

List of Phthalates Content – Reference To Regulation (EC) No. 1907/2006 Annex XVII Entry 51 & 52					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Dibutyl phthalate (DBP)	84-74-2	5	Di-iso-nonyl phthalate (DINP)	28553-12-0
2	Butyl benzyl phthalate (BBP)	85-68-7	6	Di-iso-decyl phthalate (DIDP)	26761-40-0
3	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	7	Diisobutyl phthalate	84-69-5
4	Di-n-octyl phthalate (DNOP)	117-84-0	-	-	-

Total Cadmium Content in Plastic Material - European Parliament and Council Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) with its Latest Amendment, Entry 23

Test Method : EN 1122: 2001, Method B
The sample is digested with acid, then analyzed by AAS.

Maximum Limit:	100 mg/kg
-----------------------	------------------

Parameter	Result	Unit	Conclusion
7+8+9	ND	mg/kg	PASS
10+11+12	ND	mg/kg	PASS
13	ND	mg/kg	PASS

Note / Key:

ND = Not Detected mg/kg = milligram per kilogram MDL = Method Detection Limit

Detection Limit (mg/kg): 10

Migration of Certain Elements - EN71-3:2019+A1:2021

Test Method: European Standard EN71-3:2019+A1:2021

Analyte	Limit: (mg/kg)	Result (mg/kg)				
		Sample ID				
	Type III	7	8	9	10	11
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13
Nickel (Ni)	930	<93	<93	<93	<93	<93
Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3222)070-0023**

Mar.23,2022

Page 10 of 13

Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		Pass	Pass	Pass	Pass	Pass

Analyte	Limit: (mg/kg)	Result (mg/kg)	
		Sample ID	
		12	13
Boron (B)	15000	<1500	<1500
Aluminium (Al)	28130	<2813	<2813
Chromium III (Cr III)	460	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500
Cobalt (Co)	130	<13	<13
Nickel (Ni)	930	<93	<93
Copper (Cu)	7700	<770	<770
Zinc (Zn)	46000	<4600	<4600
Arsenic (As)	47	<4.7	<4.7
Selenium (Se)	460	<46	<46
Strontium (Sr)	56000	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000
Organic tin	12	<1.2	<1.2
Antimony (Sb)	560	<56	<56
Barium (Ba)	18750	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3
Conclusion		Pass	Pass

-	Unit	Req.	Result				
Test Item(s)	-	-	1▲	2▲	3▲	4▲	6▲
Category	-	I	I	I	I	I	I
Parameter	-	-	-	-	-	-	-
Mass of Trace Amount	g	-	-	-	-	-	-
Boron (B)	mg/kg	1200	<120	<120	<120	<120	<120
Aluminium (Al)	mg/kg	2250	<225	<225	<225	<225	<225
Chromium III (Cr III)	mg/kg	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	mg/kg	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	mg/kg	1200	<120	<120	<120	<120	<120
Cobalt (Co)	mg/kg	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	mg/kg	75	8.52	<7.5	13.8	12.9	<7.5
Copper (Cu)	mg/kg	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	mg/kg	3750	<375	<375	<375	<375	<375



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3222)070-0023**

Mar.23,2022

Page 11 of 13

Arsenic (As)	mg/kg	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	mg/kg	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	mg/kg	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	mg/kg	1.3	<0.13	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	mg/kg	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	mg/kg	0.9	<0.9*	<0.9*	<0.9*	<0.9*	<0.9*
Antimony (Sb)	mg/kg	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	mg/kg	1500	535	<150	<150	<150	<150
Mercury (Hg)	mg/kg	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	mg/kg	2.0	0.608	0.551	0.205	0.345	0.492
Conclusion	-	-	PASS	PASS	PASS	PASS	PASS

Analyte	Limit: (mg/kg)	Result (mg/kg)
		Sample ID
	Type I	5
Boron (B)	1200	<120
Aluminium (Al)	2250	<225
Chromium III (Cr III)	37.5	<3.75
Chromium VI (Cr VI)	0.02	<0.005
Manganese (Mn)	1200	<120
Cobalt (Co)	10.5	<1.05
Nickel (Ni)	75	<7.5
Copper (Cu)	622.5	<62.25
Zinc (Zn)	3750	<375
Arsenic (As)	3.8	<0.38
Selenium (Se)	37.5	<3.75
Strontium (Sr)	4500	<450
Cadmium (Cd)	1.3	<0.13
Tin (Sn)	15000	<1500
Organic tin	0.9	<0.09
Antimony (Sb)	45	<4.5
Barium (Ba)	1500	<150
Mercury (Hg)	7.5	<0.75
Lead (Pb)	2	<0.2
Conclusion		Pass

Note / Key:

Req. = Requirement mg/kg = milligram per kilogram

Remark:

- Test Item(s) was (were) tested according to European Standard EN 71-3: 2019 + A1: 2021, Section 8.
- Results of Cr III and Cr VI were reported as sum of soluble chromium content unless further verified.
- *Result(s) of organic tin was (were) calculated by assuming the soluble tin content was wholly contributed from tributyltin (TBT) cation unless further specified.
- The pH measured shall be reported after migration if it was outside the range of 1.1 to 1.3.
- European Standard EN 71 Part 3: 2019 is currently harmonized under European Parliament and Council Directive 2009/48/EC and will be superseded when European Standard EN 71 Part 3: 2019 + A1: 2021 is harmonized.

- Test Item(s) < Example : I005 > was (were) de-waxed by isooctane before testing.
 - The received sample(s) contained accessible component(s) of less than 10 milligrams by weight on one single sample, therefore such component(s) was (were) not subject to migration of certain elements of European Standard, "Safety of Toys, EN 71 Part 3: 2019 + A1: 2021", as specified in Section 7.1 - Selection of test portions.
 - Cr VI is very likely to be present in Test Item(s) < Example : I003 >, client is strongly advised to review its (their) chemical formulation.
 - Organic tin is very likely to be present in Test Item(s) < Example : I003 >, client is strongly advised to review its (their) chemical formulation.
 - * denotes as result(s) was (were) verified by :
- For organic tin content - Test method with reference to European Standard EN 71-3: 2019 + A1: 2021 and reported as tributyltin (TBT) cation.
- For Cr VI content - In house ion chromatography analysis.

Total Cadmium Content & As Client's requirement

Test Method : Refer to US EPA 3052:1996 & US EPA 6010D:2014
The sample is digested with acid, then analyzed by ICP-OES .

Parameter	Unit	Result		Maximum Allowable Limit
		1+2+3	4+5+6	
Cadmium (Cd)	mg/kg	ND	ND	100
Conclusion	-	PASS	PASS	-

Note / Key:

ND = Not Detected mg/kg = milligram per kilogram MDL = Method Detection Limit

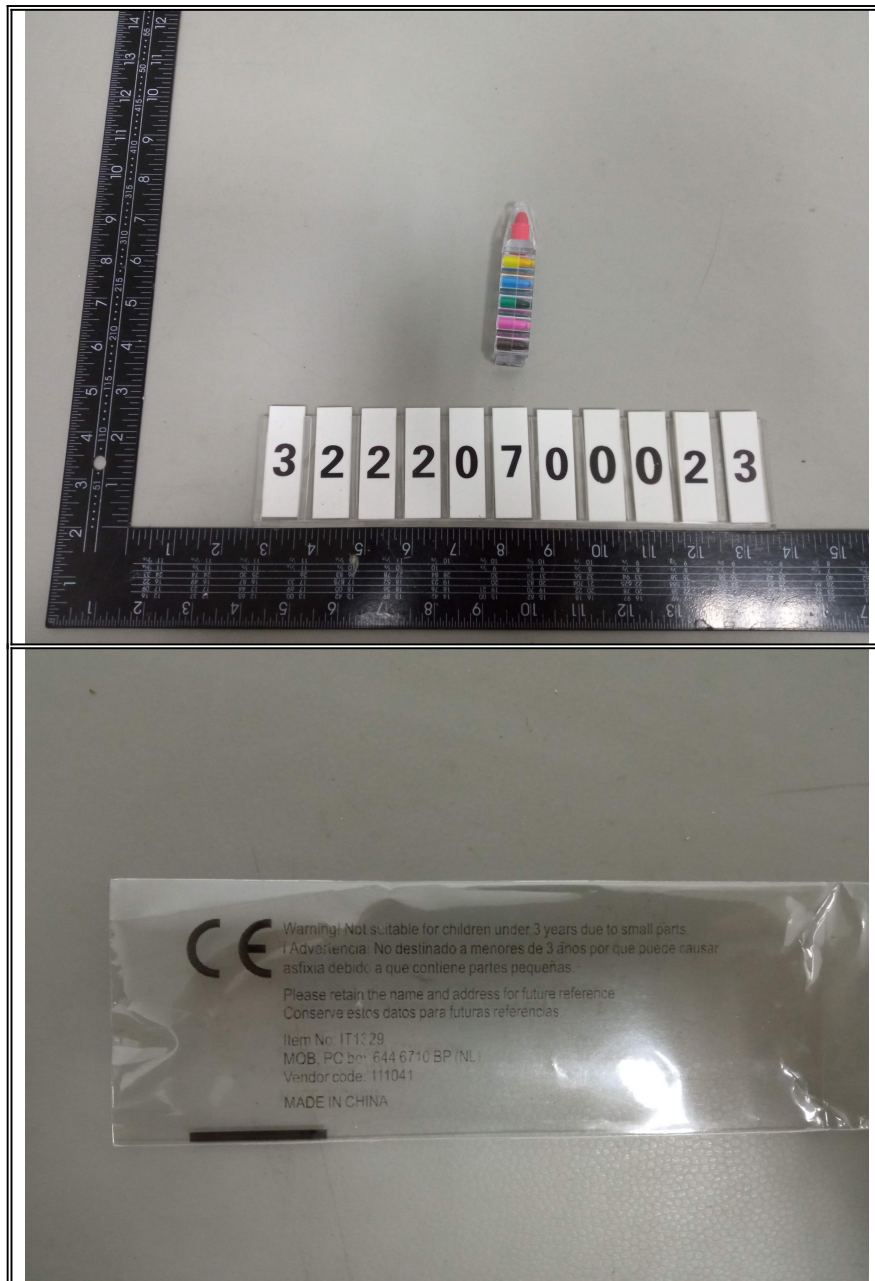
Detection Limit (mg/kg): 10



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3222)070-0023**
Mar.23,2022
Page 13 of 13

SAMPLE REFERENCE PHOTO:



-- END OF REPORT --