



**BUREAU
VERITAS**

TEST REPORT

MID OCEAN BRANDS B.V.

Technical Report: (3222)160-0170REVISION

Jun 22,2022

This report is amendment of and supersedes the previous(3222)160-0170 dated Jun.22,2022.

Date Received: Jun.09,2022

Page 1 of 14

Date Revision: Jun.23,2022

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

SAMPLE INFORMATION:

Sample Description:	XMAS HAT WITH 5 CRAYONS	Sample Quantity:	N/A
Vendor:	111041	Style No(s):	CX1505
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
The flammability requirements of the European Standard "Safety of Toys", EN 71: Part 2: 2020	PASS
Aromatic Amines Content from Azo Colorants & As Applicant's requirement	PASS
Polycyclic Aromatic Hydrocarbons (PAHs) Content – Regulation (EC) No. 1907/2006 Annex XVII Entry 50, Point 5	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
Benzene Content & As Client's requirement	PASS
COLOURFASTNESS TO RUBBING	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.

Note:

The tested part of the sample was specified by client.
The composite testing was performed as per client's request.
The test conclusion was given based on the results of tested part.

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

Revised Reason: Update report.

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**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.

Technical Report: **(3222)160-0170REVISION**

Jun 22, 2022

Page 2 of 14

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**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.

Technical Report: **(3222)160-0170REVISION**

Jun 22, 2022

Page 3 of 14

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 projectiles 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



**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
7.5	Functional toys	SEE NOTE 2

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				

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	M
4.1	Flammable gases	N/A



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.

Technical Report: **(3222)160-0170REVISION**

Jun 22, 2022

Page 7 of 14

FLAMMABILITY (EN 71 PART 2: 2020)

Subclause	Requirement	Result
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	-	-



**BUREAU
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Technical Report: **(3222)160-0170REVISION**

Jun 22, 2022
Page 8 of 14

Tested Component(s) Breakdown List

Test Item(s)	Description	Location(s)	Style(s)
1	White fabric with black coating	-	-
2	Red fabric	-	-
3	White pompon	-	-
4	Red crayon	-	-
5	Yellow crayon	-	-
6	Orange crayon	-	-
7	Green crayon	-	-
8	Blue crayon	-	-
9	Black with white paper	-	-

Aromatic Amines Content from Azo Colorants & As Applicant's requirement

Test Method : I: For textile and others: EN ISO 14362-1:2017.
II: For leather: ISO 17234-1: 2020.
III: For textile and others: EN ISO 14362-3:2017 ;
For leather: ISO 17234-2: 2011

Maximum Limit: 30mg/kg

Tested Item(s)	Test Method	Result		Unit	Conclusion
		Detected Analyte(s)		Conc.	
1+2+3	I	ND	ND	mg/kg	PASS

Note / Key:

ND = Not Detected mg/kg = milligram per Detection Limit (mg/kg): Each 10
kilogram

Remark:

- 1. *Azo colorants that are able to form p-aminoazobenzene, generate aniline and 1,4-phenylenediamine under the condition of test method I. If aniline and/or 1,4-phenylenediamine is not found by test method I, test result for 4-aminoazobenzene (CAS no. 60-09-3) is considered as "Not detected". Otherwise, the test method III will be employed to verify the presence of 4-aminoazobenzene.
- 2. The list of aromatic amines in azo dyestuff is summarized in table of Appendix.

List of Aromatic Amines Content From Azo Colorants & As Applicant's Requirement

No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	o-Toluidine (2-Aminotoluene)	95-53-4	13	p-Aminoazobenzene	60-09-3
2	2,4-Xylidine	95-68-1	14	4,4'-Oxydianiline	101-80-4
3	2,6-Xylidine	87-62-7	15	Benzidine	92-87-5
4	2-Methoxyaniline/o-Anisidine	90-04-0	16	4,4'-Diaminodiphenylmethane	101-77-9
5	4-Chloroaniline (para-Chloroaniline)	106-47-8	17	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0
6	p-Cresidine	120-71-8	18	3,3'-Dimethylbenzidine	119-93-7
7	2,4,5-Trimethylaniline	137-17-7	19	4,4'-Thiodianiline	139-65-1



8	4-Chloro-o-Toluidine	95-69-2	20	3,3'-Dichlorobenzidine	91-94-1
9	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	21	4,4'-Methylene-bis-(2-chloroaniline)	101-14-4
10	2,4-Diaminoanisole	615-05-4	22	3,3'-Dimethoxybenzidine	119-90-4
11	2-Naphthylamine	91-59-8	23	o-Aminoazotoluene	97-56-3
12	4-Aminobiphenyl	92-67-1	24	5-nitro-o-toluidine	99-55-8

Polycyclic Aromatic Hydrocarbons (PAHs) Content – Regulation (EC) No. 1907/2006 Annex XVII Entry 50, Point 5

Test Method : With reference to test method mentioned in German AfPS GS 2019:01 PAK.

Parameter	Unit	Result	Maximum Allowable Limit
		1+2+3	
Benzo (a) anthracene	mg/kg	ND	0.5
Chrysene	mg/kg	ND	0.5
Benzo (b) fluoranthene	mg/kg	ND	0.5
Benzo (j) fluoranthene	mg/kg	ND	0.5
Benzo (k) fluoranthene	mg/kg	ND	0.5
Benzo (e) pyrene	mg/kg	ND	0.5
Benzo (a) pyrene	mg/kg	ND	0.5
Dibenzo (a,h) anthracene	mg/kg	ND	0.5
Conclusion	-	PASS	-

Parameter	Unit	Result
		g*
Benzo (a) pyrene	mg/kg	ND
Benzo (e) pyrene	mg/kg	ND
Benzo (a) anthracene	mg/kg	ND
Chrysene	mg/kg	ND
Benzo (b) fluoranthene	mg/kg	ND
Benzo (j) fluoranthene, Benzo (k) fluoranthene	mg/kg	ND
Dibenzo (a,h) anthracene	mg/kg	ND
Conclusion	-	PASS

Note / Key:

ND = Not detected mg/kg = milligram(s) per kilogram = ppm = part(s) per million

For individual testing - Each of the listed PAHs(mg/kg) : 0.2

Detection Limit (mg/kg):

For composite testing - Each of the listed PAHs(mg/kg) : 0.1

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

Test Method : Reference to EN 14372:2004.



Parameter	Unit	Result	Maximum Allowable Limit
		1+2+3	
A. For toys and childcare articles	-	-	-
DBP	mg/kg	ND	-
BBP	mg/kg	ND	-
DEHP	mg/kg	ND	-
DiBP	mg/kg	ND	-
Sum of DBP, BBP, DEHP, DiBP	mg/kg	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	-
DINP	mg/kg	ND	-
DIDP	mg/kg	ND	-
Sum of DNOP, DIDP, DINP	mg/kg	ND	1000
Conclusion	-	PASS	-

Note / Key:

ND = Not Detected

Conc. = Concentration

Detection Limit (%): Each 0.005

% = percentage

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	Butylbenzylphthalate (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
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Parameter	Result	Unit	Conclusion
1+2+3	ND	mg/kg	PASS
7+8	ND	mg/kg	PASS



Parameter	Unit	MDL	Result
			4+5+6
Cadmium (Cd)	mg/kg	10	ND
<i>Conclusion</i>	-	-	PASS

Parameter	Unit	MDL	Result
			9
Cadmium (Cd)	mg/kg	10	ND
<i>Conclusion</i>	-	-	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: EN71-3:2019+A1:2021.

Analyte	Limit: (mg/kg)	Result (mg/kg)		
		Sample ID		
		1	2	3
B	15000	ND	ND	ND
Al	28130	ND	ND	ND
Cr III	460	ND	ND	ND
Cr VI	0.053	ND	ND	ND
Mn	15000	ND	ND	ND
Co	130	ND	ND	ND
Ni	930	ND	ND	ND
Cu	7700	ND	ND	ND
Zn	46000	ND	ND	ND
As	47	ND	ND	ND
Se	460	ND	ND	ND
Sr	56000	ND	ND	ND
Cd	17	ND	ND	ND
Sn	180000	ND	ND	ND
Organic tin	12	ND	ND	ND
Sb	560	ND	ND	ND
Ba	18750	ND	ND	ND
Hg	94	ND	ND	ND
Pb	23	ND	ND	ND
Conclusion		PASS	PASS	PASS



-	Unit	Req.	Result					
			4*	5*	6*	7*	8*	9*
Test Item(s)	-	-	4*	5*	6*	7*	8*	9*
Category	-	I	I	I	I	I	I	III
Parameter	-	-	-	-	-	-	-	-
Mass of Trace Amount	g	-	-	-	-	-	-	-
Boron (B)	mg/kg	1200	<120	<120	<120	<120	<120	<1500
Aluminium (Al)	mg/kg	2250	<225	<225	<225	<225	<225	<2813
Chromium III (Cr III)	mg/kg	37.5	<3.75	<3.75	<3.75	<3.75	<3.75	<46
Chromium VI (Cr VI)	mg/kg	0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.020
Manganese (Mn)	mg/kg	1200	<120	<120	<120	<120	<120	<1500
Cobalt (Co)	mg/kg	10.5	<1.05	<1.05	<1.05	<1.05	<1.05	<13
Nickel (Ni)	mg/kg	75	8.52	<7.5	15.1	<7.5	12.9	<93
Copper (Cu)	mg/kg	622.5	<62.25	<62.25	<62.25	<62.25	<62.25	<770
Zinc (Zn)	mg/kg	3750	<375	<375	<375	<375	<375	<4600
Arsenic (As)	mg/kg	3.8	<0.38	<0.38	<0.38	<0.38	<0.38	<4.7
Selenium (Se)	mg/kg	37.5	<3.75	<3.75	<3.75	<3.75	<3.75	<46
Strontium (Sr)	mg/kg	4500	<450	<450	<450	<450	<450	<5600
Cadmium (Cd)	mg/kg	1.3	<0.13	<0.13	<0.13	<0.13	<0.13	<1.7
Tin (Sn)	mg/kg	15000	<1500	<1500	<1500	<1500	<1500	<18000
Organic tin	mg/kg	0.9	<0.9*	<0.9*	<0.9*	<0.9*	<0.9*	<12*
Antimony (Sb)	mg/kg	45	<4.5	<4.5	<4.5	<4.5	<4.5	<56
Barium (Ba)	mg/kg	1500	535	<150	<150	<150	<150	<1875
Mercury (Hg)	mg/kg	7.5	<0.75	<0.75	<0.75	<0.75	<0.75	<9.4
Lead (Pb)	mg/kg	2.0	0.608	0.551	0.226	0.381	0.345	<2.3
Conclusion	-	-	PASS	PASS	PASS	PASS	PASS	PASS

Note / Key:

Req. = Requirement mg/kg = milligram per kilogram

Remark:

- If combined Cr content exceeds 0.02mg/kg in I mat., 0.005 mg/kg in II mat., or 0.053mg/kg in III mat., confirmation Cr(VI) by IC-ICP-MS or IC-UV/VIS, Cr(III)=Combined Cr – Cr(VI).
- *Result(s) of organic tin was (were) reported as soluble tin content.
- The European Commission proposed to amend the maximum allowable limit(s) of migratable aluminium of European Parliament and Council Directive 2009/48/EC in particular regarding to Annex II, Part III, Point 13 in order to ensure the alignment to the scientific evidence from The Scientific Committee on Health, Environmental and Emerging Risks (SCHEER) and increase children's safety. See details in Comment.

Benzene Content & As Client' s requirement

Test Method: Samples were heated in the headspace vials and analyzed with Gas Chromatography Mass Spectrometer (HS-GC-MS).

Parameter	Unit	MDL	Result
			4+5+6*
Benzene	mg/kg	1	ND
Conclusion	-	-	PASS



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MID OCEAN BRANDS B.V.
Technical Report: **(3222)160-0170REVISION**
Jun 22, 2022
Page 13 of 14

Parameter	Unit	MDL	Result	Client's Limit
			7+8	
Benzene	mg/kg	1	ND	5
Conclusion	-	-	PASS	-

Parameter	Unit	MDL	Result
			9*
Benzene	mg/kg	1	ND
<i>Conclusion</i>	-	-	PASS

COLOURFASTNESS TO RUBBING(BS EN ISO 105-X12:2016)

	1	2	
LENGTH			
DRY	4	4-5	/
WET	2-3	4	/
WIDTH			
DRY	4	4-5	/
WET	3	4	/

COLOURFASTNESS RATING

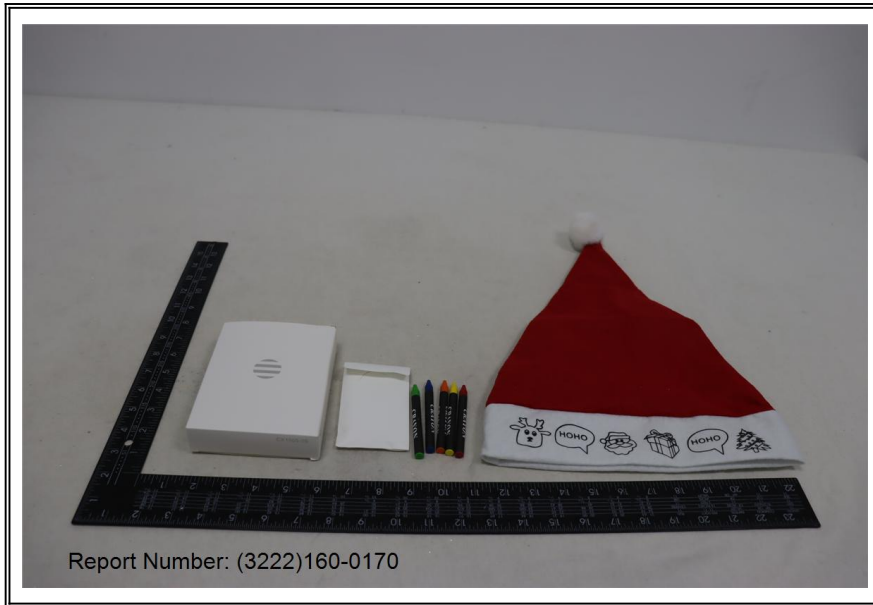
- GRADE 5 NEGLIGIBLE OR NO CHANGE OR STAINING
- GRADE 4 SLIGHTLY CHANGED OR STAINED
- GRADE 3 NOTICEABLY CHANGED OR STAINED
- GRADE 2 CONSIDERABLY CHANGED OR STAINED
- GRADE 1 MUCH CHANGED OR STAINED



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Technical Report: **(3222)160-0170REVISION**
Jun 22, 2022
Page 14 of 14

SAMPLE REFERENCE PHOTO:



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