



Test Report

Date : 2018-11-22
No. : SP18110122

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Applicant : MID OCEAN BRANDS B.V.
7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan,
Kowloon, Hong Kong

Buyer : VENDOR CODE: 105577

Description of Samples : One (1) group of submitted samples said to be:
TEDDY BEAR WITH BLUE SHIRT
STYLE NO. : KC7102-04
COUNTRY OF ORIGIN: CHINA
COUNTRY OF DESTINATION: EUROPE

Date Samples Received : 2018-11-09

Date Tested : 2018-11-09 to 2018-11-19

Requirements	Conclusion
1. European Standard for Safety of Toys - EN71-1:2014+A1:2018, mechanical and physical properties - EN71-2:2014, flammability - EN71-3:2013+A3:2018, migration of certain elements	Pass
2. Banned AZO dye-Annex XVII Item 43 of the REACH Regulation (EC) No. 1907/2006 and Commission Regulation (EC) No.552/2009 & (EU) No 126/2013	Pass
3. Colorfastness to Crocking	Pass

This Test Report supersedes our previous Test Report No. SP18110122 issued on 2018-11-20 which is hereby deemed null and void.

Owen Huang

HUANG Qinglai, Owen
Authorized Signatory



STC (Shanghai) Company Limited

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Item No.	Component Description
<u>Textile materials:</u>	
<u>1</u>	body:brown
<u>2</u>	face:white*4
<u>3</u>	sole:gray
<u>4</u>	cloth:blue
<u>5</u>	thread:black
<u>6</u>	thread:gray
<u>Other materials:</u>	
<u>7</u>	label:white with black*2

Test Results:

1. European Standard for Safety of Toys

AGE GRADING:

The sample did not contain an age grade; however, it was considered appropriate for children of 0+.

AGE GRADING FOR TESTING:

0+.

1.1 EN71-1:2014+A1:2018 - Part 1: Mechanical and physical properties

<u>Applicable Clause</u>	<u>Description</u>	<u>Result</u>
4	<u>General requirements</u>	----
4.1	Materials cleanliness	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
5	<u>Toys intended for children under 36 months</u>	----
5.1	General requirements	Pass
5.2	Soft-filled toys and soft-filled parts of a toy	Pass
7	<u>Marking and instructions for use (EC Directive)</u>	Pass

1.2 EN71-2:2014- Part 2: Flammability

<u>Applicable Clause</u>	<u>Description</u>	<u>Result</u>
4.1	General requirements	Pass
4.5	Soft-filled toys	Pass

1.3 EN71-3:2013+A3:2018: Migration of certain elements

Determined by: Inductively Coupled Plasma Mass Spectrometry

1.3.1 Category III: Scraped-off toy material

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Test Results:

*2 = There were insufficient materials to produce the test portion of 100 mg in one sample. According to the Standard, the quantities of the elements were calculated as if 100 mg of test portion had been used. The actual weight of the specified materials used for analysis were shown below :

7 label:white with black(50.8mg)

Elements	Result (mg/kg)							Limit(mg/kg)
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	
Aluminium	61	53	73	75	50	63	150	70000
Antimony	<5	<5	<5	<5	<5	<5	<5	560
Arsenic	<2	<2	<2	<2	<2	<2	<2	47
Barium	<5	<5	<5	<5	<5	<5	<5	18750
Boron	<5	<5	<5	<5	<5	<5	<5	15000
Cadmium	<5	<5	<5	<5	<5	<5	<5	17
Chromium(III)	<5	<5	<5	<5	<5	<5	<5	460
Chromium (VI)	<0.2	<0.2	<0.2	<0.2	<0.2	*3	<0.2	0.2
Cobalt	<5	<5	<5	<5	<5	<5	<5	130
Copper	<5	<5	<5	<5	<5	<5	<5	7700
Lead	<5	<5	<5	<5	<5	<5	<5	23
Manganese	7	6	8	8	6	7	7	15000
Mercury	<5	<5	<5	<5	<5	<5	<5	94
Nickel	<5	<5	<5	<5	<5	<5	<5	930
Selenium	<5	<5	<5	<5	<5	<5	<5	460
Strontium	5	5	6	7	5	6	43	56000
Tin	<5	<5	<5	<5	<5	<5	<5	180000
Organic tin	<5	<5	<5	<5	<5	<5	<5	12
Zinc	<5	<5	<5	<5	<5	11	<5	46000

Remark: mg/kg = milligram per kilogram

The Chromium content was reported as Chromium (III) and Chromium (VI). Whenever the result of Chromium exceeded the limit of Chromium (III) and Chromium (VI), confirmation test was performed.

The Tin content was reported as Organic tin unless specified.

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Test Results:

*3 = The results of Chromium exceeded the limit of Chromium (VI) ; hence confirmation test was performed. (See soluble Chromium (VI) section)

1.3.2 Chromium (VI) contents

Method used: EN71-3:2013+A3:2018
Determined by: LC-ICP-MS

Category III: Scraped-off toy materials.

Element	Result(s) (mg/kg)	Limit (mg/kg)
	6	
Chromium (VI)	<0.2	0.2

2. Detection of Banned Azo Colourants

Ref.: REACH Regulation 1907/2006/ EC
Test Method: EN 14362-1: 2012

*4 = "White" is not considered as "colour" and therefore "white" parts do not have to be tested according to standard.

Aromatic Amines		Result(mg/kg)	
CAS No.	Name	1+3	4+5+6
92-67-1	4-aminobiphenyl	ND	ND
92-87-5	Benzidine	ND	ND
95-69-2	4-Chloro-o-toluidine	ND	ND
91-59-8	2-Naphthylamine	ND	ND
97-56-3	o-Aminoazotulene	ND	ND
99-55-8	5-Nitro-o-toluidine	ND	ND
106-47-8	4-Chloroaniline	ND	ND
615-05-4	4-Methoxy-m-phenylenediamine	ND	ND
101-77-9	4,4'-Methylenedianiline	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND
119-90-4	3,3'-Dimethoxybenzidine	ND	ND
119-93-7	3,3'-Dimethylbenzidine	ND	ND
838-88-0	4,4'-Methylenedi-o-toluidine	ND	ND
120-71-8	6-Methoxy-m-toluidine	ND	ND
101-14-4	2,2'-Dichloro-4,4'- methylenedianiline	ND	ND
101-80-4	4,4'-Oxydianiline	ND	ND
139-65-1	4,4'-Thiodianiline	ND	ND
95-53-4	o-Toluidine	ND	ND
95-80-7	4-Methy-m-phenylenediamine	ND	ND
137-17-7	2,4,5-Trimethylaniline	ND	ND
90-04-0	2-Methoxyaniline	ND	ND
87-62-7	2,6-Xylidine	ND	ND
95-68-1	2,4-Xylidine	ND	ND
60-09-3	4-Amino-azo-benzene	ND	ND
Comment		Pass	Pass

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Test Results:

- Notes:
1. Maximum permissible limit=30mg/kg.
 2. Method detection limit=5mg/kg.
 3. mg/kg denotes milligram per kilogram.
 4. ND denotes not detected.
 5. Composite test is client's requirement.

3. Colorfastness to Crocking

Test Method: AATCC 8-2016

	<u>Sample</u>	<u>Result(Grade)</u>	<u>Client's limit</u>
1	Dry	4.5	2-3
	Wet	4.5	2-3
2	Dry	4.5	2-3
	Wet	4.5	2-3
3	Dry	4.5	2-3
	Wet	4.5	2-3
4	Dry	4.5	2-3
	Wet	4.5	2-3

Remark: Gray Scale Rating:
 Grade 5 – No changed / No staining
 Grade 4 – Slightly changed / Slightly stained
 Grade 3 – Moderate changed / Moderate stained
 Grade 2 – Considerably changed / Considerably stained
 Grade 1 – Much changed / Heavily stained

The photo of submitted samples



******* End of Test Report *******

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