中国认可
国际互认
检测
TESTING
CNAS L6478

TEST REPORT

Reference No.	:	WTF19F09063289A3C
Applicant	:	Mid Ocean Brands B.V.
Address	:	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong
Manufacturer	:	111051
Sample Name	:	Stationary set in cotton pouch
Model No.	:	MO7755
Test Requested	:	1) Determination of Cadmium content in the submitted sample in accordance with REACH regulation Annex XVII Entries 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011, No. 835/2012 and (EU) 2016/217 2) Determination of Lead content in the submitted sample in accordance with REACH regulation Annex XVII Entries 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628 3) Determination of specified Phthalates content according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & No. 2018/2005 4) As specified by client, determination of the free and hydrolysed formaldehyde content in submitted sample
Test Method	:	Please refer to next page (s)
Test Conclusion	:	Please refer to next page (s)
Date of Receipt sample	:	2019-09-10 & 2019-09-23 & 2019-09-29 & 2019-11-01
Date of Test	:	2019-09-10 to 2019-11-05
Date of Issue	:	2019-11-06
Test Result	:	Please refer to next page (s)

Remarks:
The results shown in this test report refer only to the sample(s) tested; this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.
If the report is not stamped with the accreditation recognized seal, it will only be used for scientific research, education, and internal quality control activities, and is not used for the purpose of issuing supporting data to the society.

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Compiled by: Rena.Chen / Project Engineer

Approved by: Swing.Liang / Lab Manager

Test Result:

1) Cadmium (Cd)

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	MDL (mg/kg)	Results (mg/kg)		
		No.1	No.2	No.8+No.9+No.10
Cadmium(Cd)	2	ND	ND	20*
Conclusion	--	**Pass**	**Pass**	**Pass**

Test Item	MDL (mg/kg)	Results (mg/kg)	
		No.11	No.15
Cadmium(Cd)	2	ND	ND
Conclusion	--	**Pass**	**Pass**

Note:

(1) mg/kg = milligram per kilogram

(2) ND = Not Detected (lower than MDL)

(3) MDL = Method Detection Limit

(4) Limit of Cadmium according to REACH regulation Annex XVII Item 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011 and No. 835/2012 and (EU) 2016/217.

Category	Limit (mg/kg)
Wet paint	100
Surface coating	1000
Plastic	100
Metal parts of jewellery and hair accessories	100

(5) "*" = Results are calculated by the minimum weight of mixed components.

2) Lead (Pb)

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	MDL (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.1	No.2	No.3+No.13+No.14	
Lead(Pb)	2	ND	ND	ND*	500
Conclusion	--	**Pass**	**Pass**	**Pass**	--

Test Item	MDL (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.4	No.5+No.6	No.7+No.16	
Lead(Pb)	2	ND	ND*	ND*	500
Conclusion	--	**Pass**	**Pass**	**Pass**	--

Test Item	MDL (mg/kg)	Results (mg/kg)				Limit (mg/kg)
		No.8+No.9+No.10	No.11	No.12	No.15	
Lead(Pb)	2	21*	ND	ND	ND	500
Conclusion	--	**Pass**	**Pass**	**Pass**	**Pass**	--

Note:

(1) mg/kg = milligram per kilogram

(2) ND = Not Detected (lower than MDL)

(3) MDL = Method Detection Limit

(4) Limit of Lead was quoted from REACH regulation Annex XVII Item 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628.

(5) "*" = Results are calculated by the minimum weight of mixed components.

3) Phthalates

Test Method: With reference to EN14372:2004, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test Items	MDL (%)	Results (%)	Limit (%)
		No.1	
Benzyl butyl phthalate (BBP)	0.005	ND	sum of four phthalates < 0.1
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	ND	
Dibutyl phthalate (DBP)	0.005	ND	
Diisobutyl phthalate (DIBP)	0.005	ND	
Diisodecyl phthalate (DIDP)	0.01	ND	sum of three phthalates < 0.1
Diisononyl phthalate (DINP)	0.01	ND	
Di-n-octyl phthalate (DNOP)	0.005	ND	
Conclusion	--	**Pass**	--

Note:

DBP= Dibutyl phthalate BBP= Benzyl butyl phthalate DEHP= Bis-(2-ethylhexyl)- phthalate
DINP= Di-isononyl phthalate DNOP= Di-n-octyl phthalate DIDP= Di-isodecyl phthalate
DIBP= Diisobutyl phthalate

(1) % = percentage by weight
(2) ND = Not detected or Less than the method detection limit
(3) MDL=Method Detection Limit
(4) “<” = less than
(5) The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & No. 2018/2005 (formerly known as Directive 2005/84/EC) for phthalate content in toys and child care articles.

4) Formaldehyde

Test Method: With reference to EN717-3:1996, analysis was performed by UV-VIS

Test Item	Unit	Result			MDL	Client's Limit
		No.2	No.4	No.12		
Formaldehyde (CH_2O)	mg/kg	11	31	ND	10	80
Conclusion	--	**Pass**	**Pass**	**Pass**	--	--

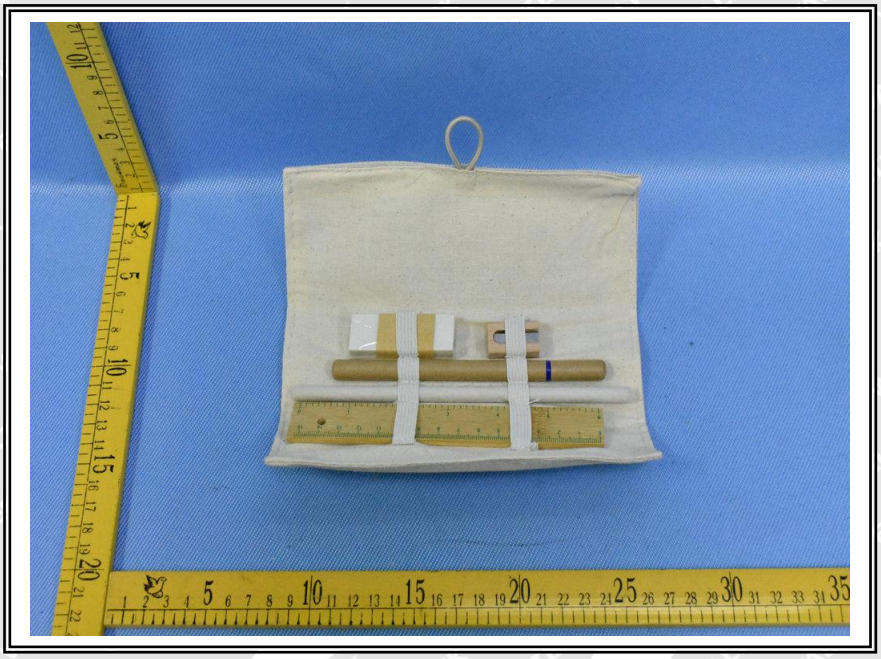
Note:

- ND = Not detected or less than the method detection limit
- mg/kg =milligram per kilogram=ppm
- MDL= Method Detection Limit

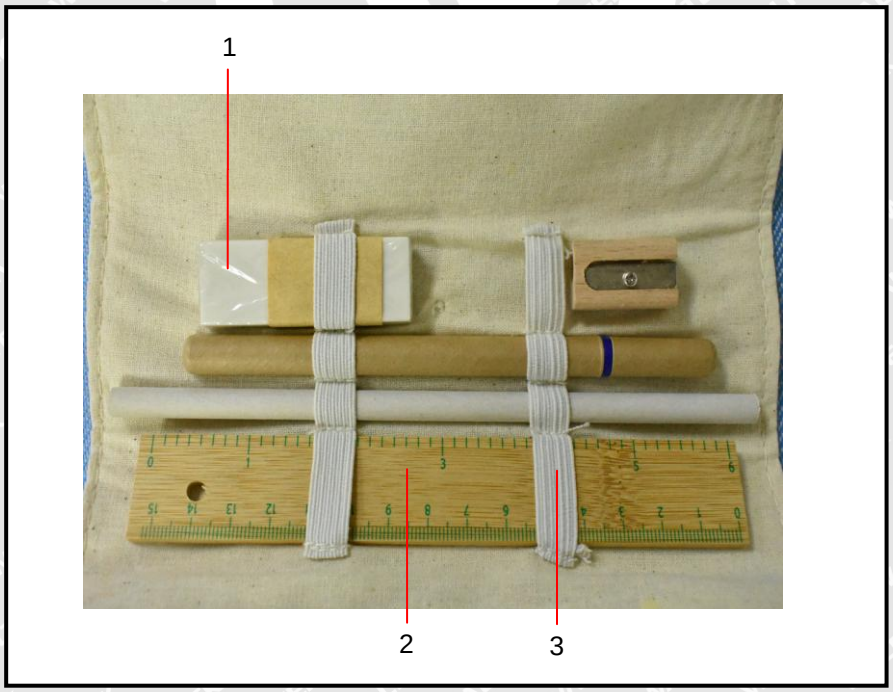
Test Specimen Description:

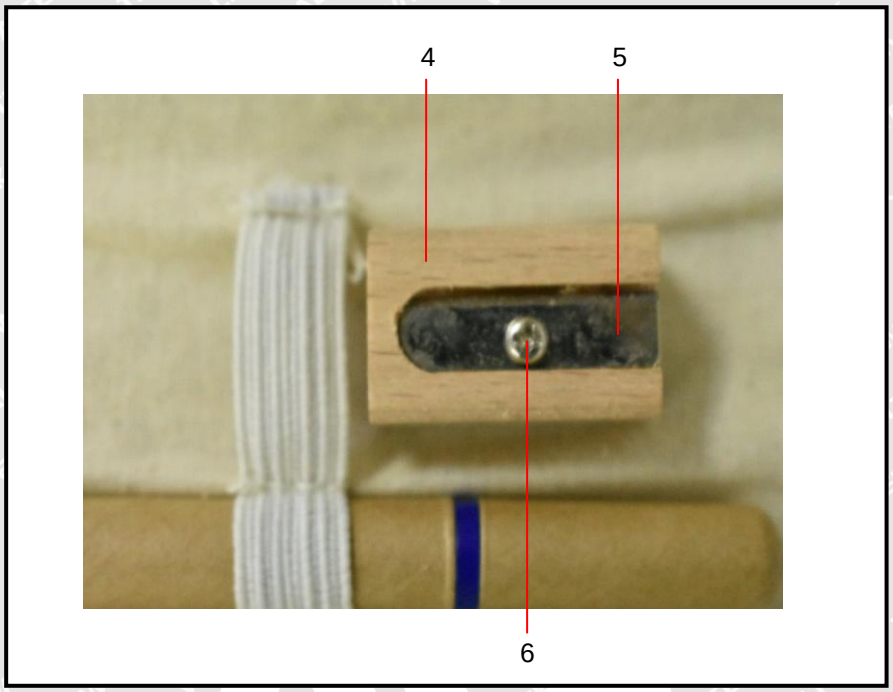
No.1: White eraser
No.2: Beige wooden ruler with green printing
No.3: White elastic band
No.4: Beige wooden shell of pencil sharpener
No.5: Silvery metal blade of pencil sharpener
No.6: Silvery metal screw of pencil sharpener
No.7: Brown paper barrel
No.8: Blue plastic cap
No.9: Black plastic end
No.10: White plastic refill
No.11: Blue ink
No.12: Brown wooden buckle
No.13: Off-white elastic band
No.14: Off-white main fabric
No.15: Black carbon core
No.16: Off-white paper barrel

Sample photo:



Photographs of parts tested:

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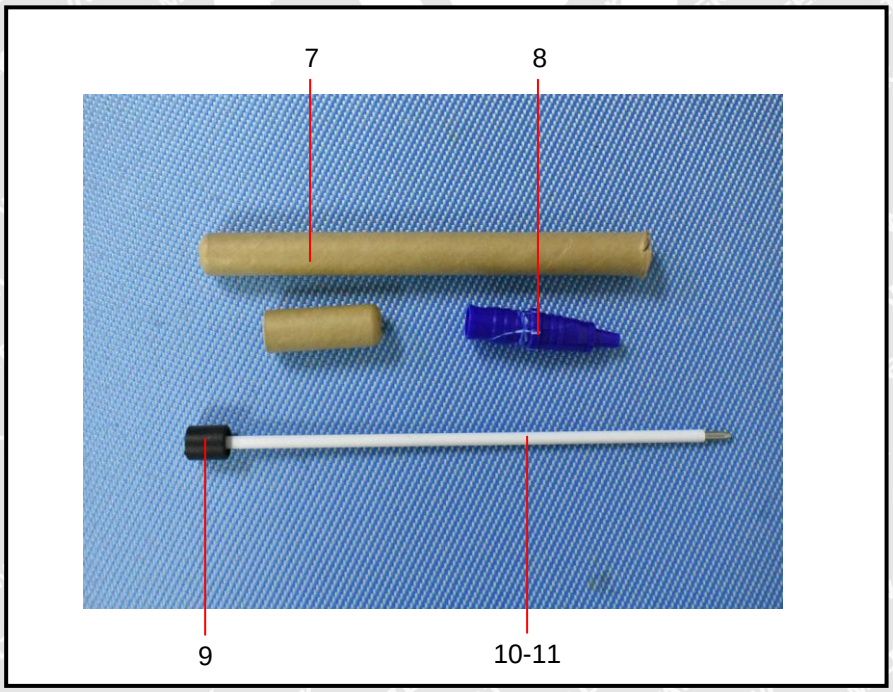
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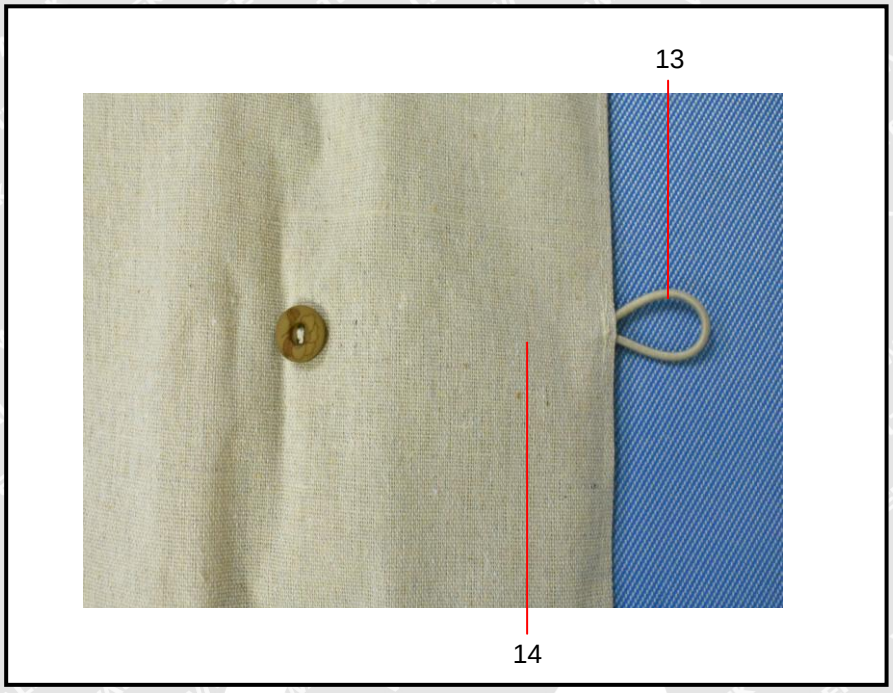
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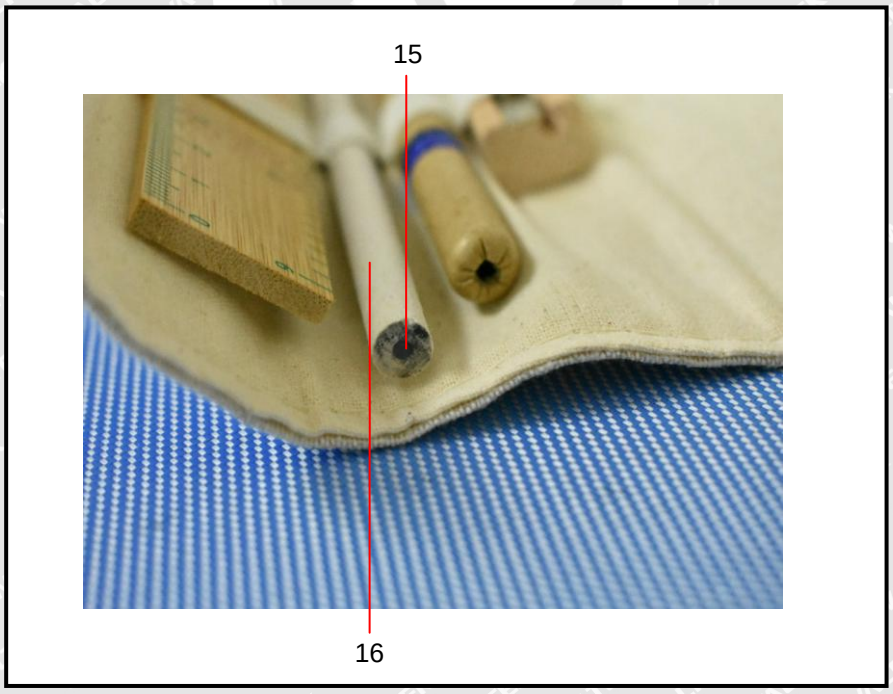
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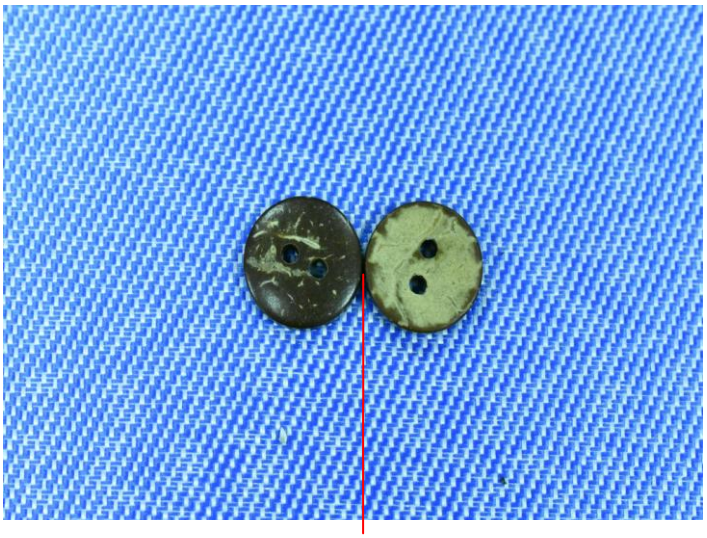

12

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