





TEST REPORT

Reference No.	: _	WTF19F09063601X1C
Applicant	N*11	Mid Ocean Brands B.V.
Address	, et	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong
Manufacturer	:	104901
Sample Name	لور. تناري	Ball pen with Biodegradable parts, Ball pen, Biodegradable plastic ball pen, 4 ink color ball pen, Ball pen with rubber grip, Wooden ball pen, Ball pen with hand top, Ball pen in metallic finish, Bamboo ball pen, Ball pen with highlighter, Set of ball pen and mechanical pen
Model No	, LTE	MO9830, IT3361, IT3780, IT3888, KC5000, KC5116, KC6217, KC6725, KC6726, MO7203, MO7256, MO7318, MO7440, MO7620, MO8111, MO9483, MO9484, MO3361
Date of Receipt sample	j.	2018-08-23 & 2018-10-23 & 2018-11-22 & 2019-09-12
Date of Test	: <	2018-08-23 to 2018-11-23 & 2019-09-12 to 2019-09-17
Date of Issue	:	2019-10-10
Test Result	:	Please refer to next page (s)
Note	NEL JEK	 As per client's requirement, the results of specimen from No.1 to No.41 were quoted from Report No. WTF18F08121853A1C. The test points were selected by the applicant. This report is based on Waltek test report WTF19F09063601C for revising, and replaced report WTF19F09063601C.
Domorko:		

Remarks:

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Compiled by:

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ed by: g.Liang /Lab Manager TREPO



Test Requested	 accordance with REACH regulation Annex XVII Entries 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628 2) 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 3) 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)



Test Result:

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

Test Item MDL (mg/kg)	MDL	*	Limit					
	No.1	No.2	No.3	No.4	No.5	- No.6	(mg/kg)	
Lead(Pb)	2	ND	ND	ND	ND	ND	ND	500
Conclusion	white whi	Pass	Pass	Pass	Pass	Pass	Pass	JIE - NITE

Test Item	MDL	wint	Limit					
	(mg/kg)	No.7	No.8	No.9	No.10	No.11	No.12	(mg/kg)
Lead(Pb)	2	ND M	ND	ND	ND	ND	⊘ [−] ND <	500
Conclusion	+ 7+	Pass	Pass	Pass	Pass	Pass	Pass	

Test Item	MDL	t set		Results	(mg/kg)	WAL	when .	Limit
	(mg/kg)	No.13	No.14	No.15	No.16	No.17	No.18	(mg/kg)
Lead(Pb)	<u>, 2</u>	ND	170	62	ND	ND ·	ND	500
Conclusion	the ant	Pass	Pass	Pass	Pass	Pass	Pass	en white w

Test Item	MDL		Limit					
	(mg/kg)	No.19	No.20	No.21	No.22	No.23	No.24	(mg/kg)
Lead(Pb)	<u>2</u>	ND	ND	ND	ND	46	ND	500
Conclusion		Pass	Pass	Pass	Pass	Pass	Pass	

Test Item		Results (mg/kg)						Limit
	(mg/kg)	No.25	No.26	No.27	No.28	No.29	No.30	(mg/kg)
Lead(Pb)	2	ND	ND	ND	ND	ND	ND	500
Conclusion	3 - 1	Pass	Pass	Pass	Pass	Pass	Pass	white wh

Test Item	MDL	211-	Limit					
	(mg/kg)	No.31	No.32	No.33	No.34	No.35	No.36	(mg/kg)
Lead(Pb)	2	ND	ND	of ND o	ND	ND	ND	500
Conclusion	all the	Pass	Pass	Pass	Pass	Pass	Pass	

Test Item	MDL	TEK MLTE	WAL	Results	(mg/kg)		*	Limit 🏑
	(mg/kg)	No.37	No.38	No.39	No.40	No.41	No.42	(mg/kg)
Lead(Pb)	5 ⁶ 2 5 ⁶	ND	ND 4	ND ND	ND	ND	ND	<u>500</u>
Conclusion	u 24.	Pass	Pass	Pass	Pass	Pass	Pass	$\sim n_{\rm c}$



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.

2) Cadmium (Cd)

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

Test Item	MDL	Results (mg/kg)							
	(mg/kg)	No.1	No.5	No.7	No.9	No.12			
Cadmium(Cd)	2	ND	ND	ND	ND	ND			
Conclusion	- Jun - Jun	Pass	Pass	Pass	Pass	Pass			

Test Item	MDL		Results (mg/kg)							
	(mg/kg)	No.13	No.16	No.18	No.20	No.22				
Cadmium(Cd)	2	ND	ND	Set ND Set	ND	ND				
Conclusion	- THE THE	Pass	Pass	Pass	Pass	Pass				

Test Item	MDL S	Results (mg/kg)							
	(mg/kg)	No.23	No.26	No.27	No.28	No.29			
Cadmium(Cd)	2	ND M	ND	ND	ND	ND			
Conclusion	-	Pass	Pass	Pass	Pass	Pass			

Tool konthe unit	MDL	Results (mg/kg)					
Test Item	(mg/kg)	No.30	No.31	No.32	No.33	No.34	
Cadmium(Cd)	2	ND	ND S	ND	S ND	ND	
Conclusion	The NUTE MUTE	Pass	Pass	Pass	Pass	Pass	

Test Item	MDL	Results (mg/kg)					
	(mg/kg)	No.35	No.36	No.37	No.38	No.41	
Cadmium(Cd)	2	ND	ND S	ND	ND	ND ND	
Conclusion		Pass	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 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		

3) Formaldehyde

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

-tout at at	A THE STREET	Result			Client's Limit	
Test Item	Unit	No.2 No.8		MDL		
Formaldehyde (CH ₂ O)	mg/kg	ND	ND	10	80	
Conclusion		Pass	Pass	TER WRITER	mer wat war	

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: Transparent plastic cap No.2: Beige wooden barrel No.3: Silvery metal cap No.4: Black ink No.5: White plastic cap with silvery plating No.6: Silvery metal spring No.7: Black plastic sleeve No.8: Beige wooden barrel No.9: White plastic refill No.10: Blue ink No.11: Silvery metal clip No.12: Black soft plastic cap No.13: Black plastic sleeve No.14: Silvery metal tip No.15: Golden metal opening No.16: Transparent plastic refill No.17: Black core No.18: Red plastic cap No.19: Brown paper barrel No.20: White plastic refill No.21: Silvery metal end No.22: White plastic cap with silvery coating No.23: Black plastic barrel with blue coating No.24: Red ink No.25: Green ink No.26: Transparent red plastic barrel No.27: Transparent blue plastic button No.28: Transparent green plastic button No.29: Transparent black plastic button No.30: Transparent plastic cap No.31: Red soft plastic grip No.32: Dark red plastic cap No.33: Orange plastic cap No.34: Orange-white soft plastic grip No.35: Orange plastic cap No.36: Neon orange soft plastic grip No.37: Transparent plastic shell No.38: Transparent orange plastic cap No.39: White felt with orange ink No.40: Orange ink No.41: White plastic barrel

No.42: Red paper barrel



Sample photo:















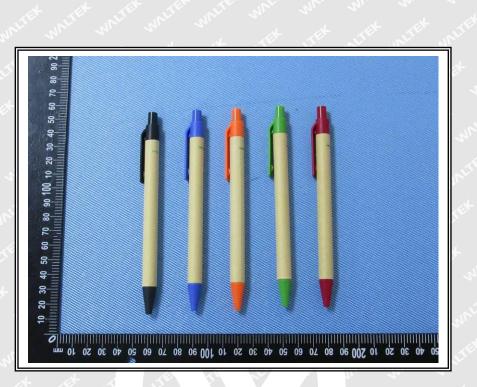
















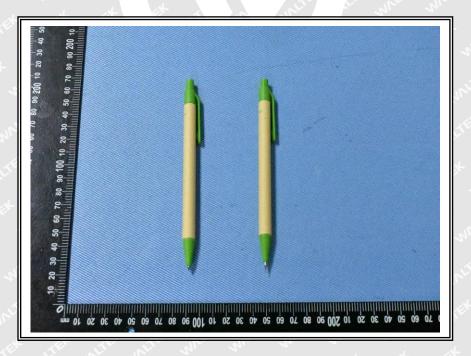












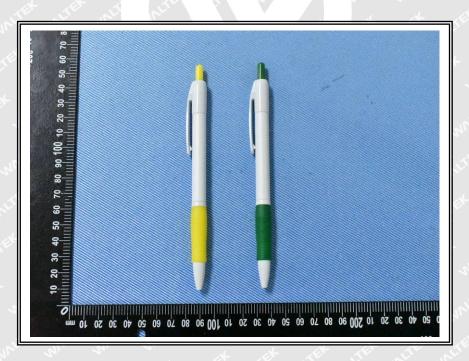
















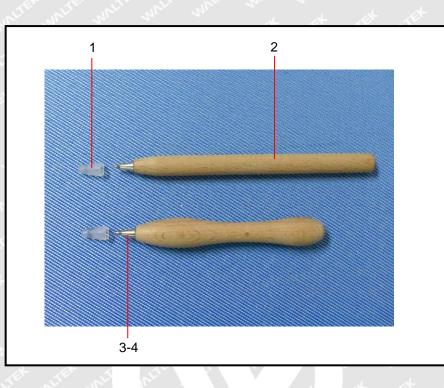


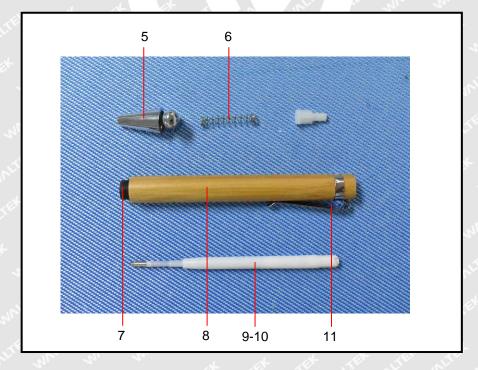




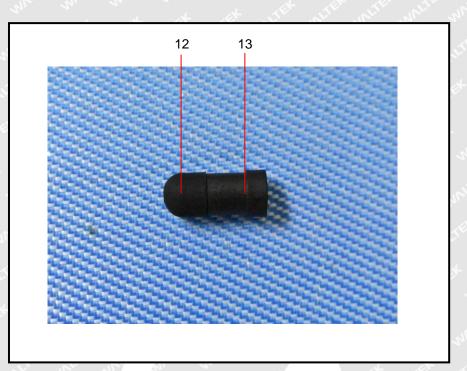


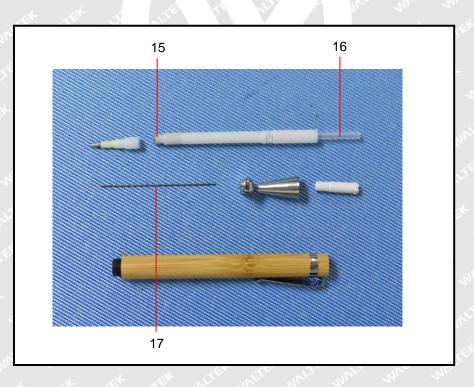
Photographs of parts tested:





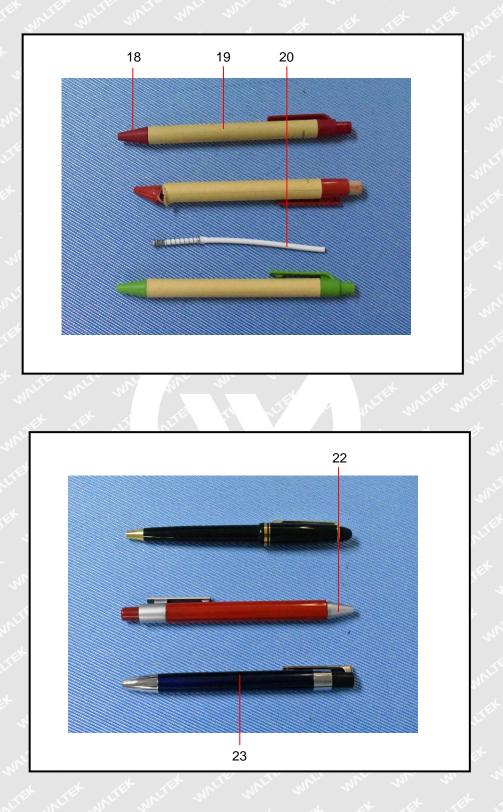




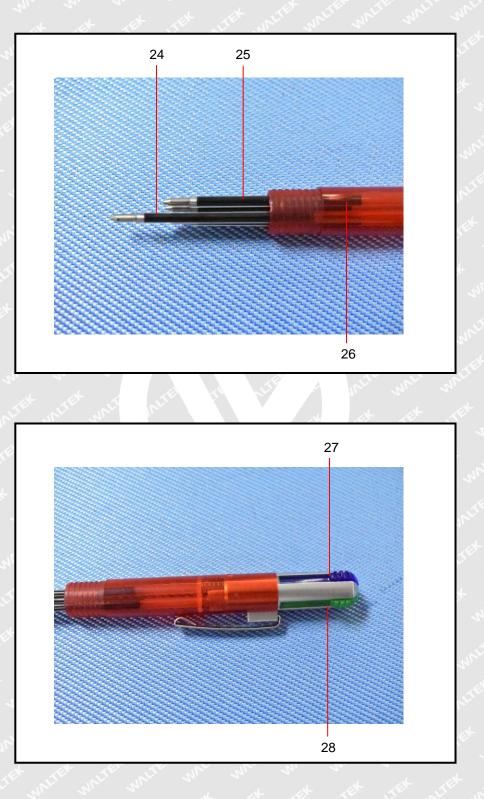


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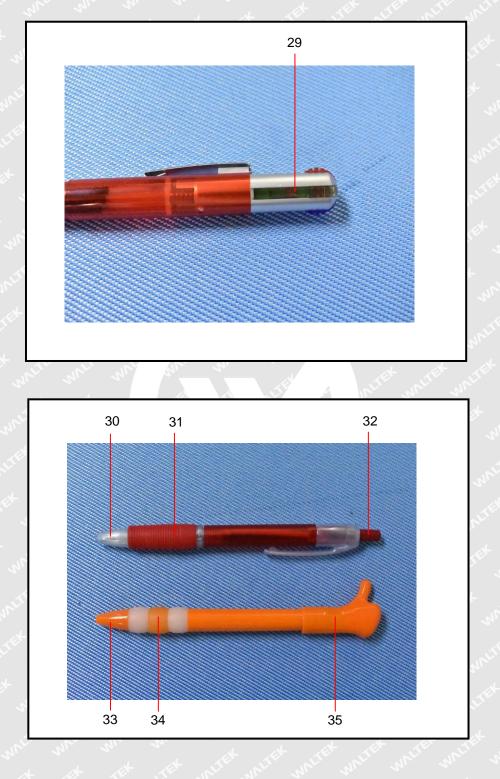




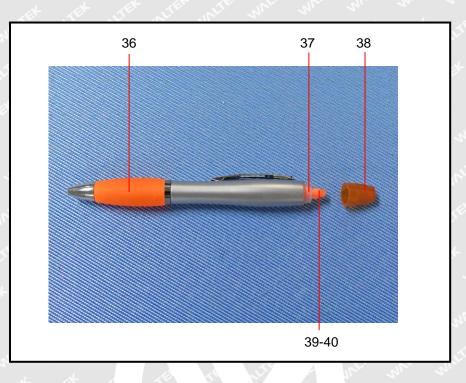


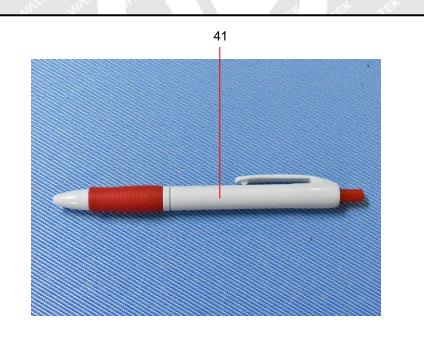




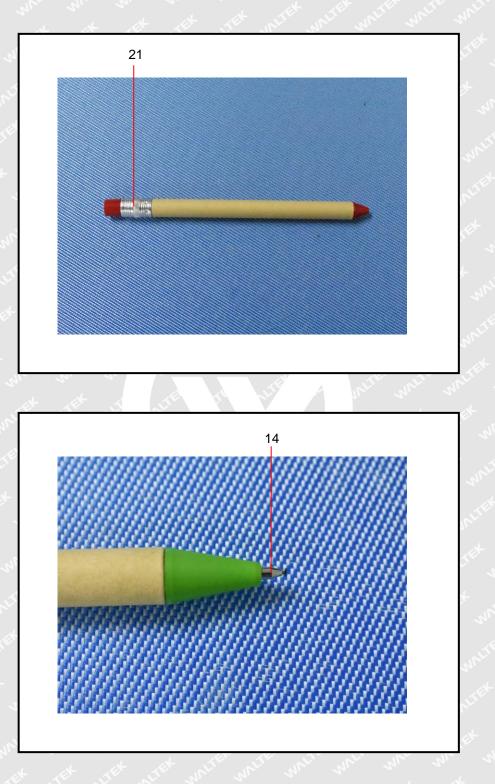




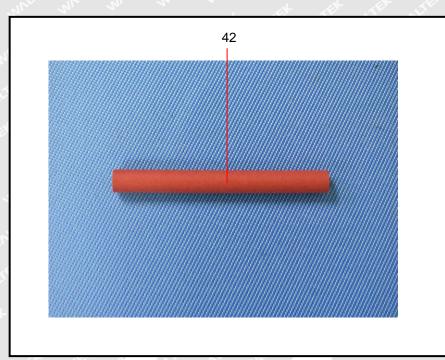












===== End of Report =====