



中国认可
国际互认
检测
TESTING
CNAS L6478



TEST REPORT

Report No. : WTF22F03042889C
Applicant : Mid Ocean Brands B.V.
Address : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan,
Kowloon, Hong Kong
Manufacturer : 104438
Sample Name : 6 tool manicure set in pouch
Sample Model : IT3059
Test Conclusion : Refer to next page (s)
Date of Receipt sample : 2022-03-14
Testing period : 2022-03-14 to 2022-03-28
Date of Issue : 2022-03-29
Test Result : Refer to next page (s)
Note : As specified by client, only test the designated sample.

Prepared By:

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Signed for and on behalf of
Waltek Testing Group (Foshan) Co., Ltd.

Swing Liang

Swing.Liang



Report No.: WTF22F03042889C

- Test Requested**..... :
- 1) 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
 - 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) 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) Nickel content requirement in Annex XVII Item 27 of the REACH Regulation (EC) No. 1907/2006 & amendment No.552/2009 (formerly known as Directive 94/27/EC and 2004/96/EC)

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Report No.: WTF22F03042889C

Sample photo:



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Report No.: WTF22F03042889C

Test Results:

1) Lead (Pb)

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

Test Item	LOQ (mg/kg)	Results (mg/kg)				Limit (mg/kg)
		No.1	No.2+No.3	No.4	No.5	
Lead(Pb)	2	ND	ND*	ND	ND	500
Conclusion	--	Pass	Pass	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)				Limit (mg/kg)
		No.6	No.7	No.8	No.9+No.10	
Lead(Pb)	2	ND	ND	ND	ND*	500
Conclusion	--	Pass	Pass	Pass	Pass	--

Note:

- (1) mg/kg = milligram per kilogram
- (2) ND = Not Detected (lower than LOQ)
- (3) LOQ = Limit of quantitation
- (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.

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Report No.: WTF22F03042889C

2) Cadmium (Cd)

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

Test Item	LOQ (mg/kg)	Results (mg/kg)				
		No.1	No.4	No.5	No.6	No.8
Cadmium(Cd)	2	ND	ND	ND	ND	ND
Conclusion	--	Pass	Pass	Pass	Pass	Pass

Note:

- (1) mg/kg = milligram per kilogram
- (2) ND = Not Detected (lower than LOQ)
- (3) LOQ = Limit of quantitation
- (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

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Report No.: WTF22F03042889C

3) Phthalates

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

Test Items	LOQ (%)	Results (%)			Limit (%)
		No.1	No.5	No.8	
Benzyl butyl phthalate (BBP)	0.005	ND	ND	ND	sum of four phthalates < 0.1
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	ND	ND	ND	
Dibutyl phthalate (DBP)	0.005	ND	ND	ND	
Diisobutyl phthalate (DIBP)	0.005	ND	ND	ND	
Diisodecyl phthalate (DIDP)	0.01	ND	ND	ND	sum of three phthalates < 0.1
Diisononyl phthalate (DINP)	0.01	ND	ND	ND	
Di-n-octyl phthalate (DNOP)	0.005	ND	ND	ND	
Conclusion	--	Pass	Pass	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 lower than limit of quantitation

(3) LOQ = Limit of quantitation

(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.



Report No.: WTF22F03042889C

4) Nickel release

Test method: With reference BS EN1811: 2011+A1:2015, Nickel content was determined by Inductively Coupled Argon Plasma Spectrometry

Item No.	Sample Area (cm ²)	Volume of Test Solution(ml)	Nickel release (μg/cm ² /week)				Conclusion
			Trial 1	Trial 2	Trial 3	Average	
No.7	15.54	30	ND	ND	0.11	ND	Pass
No.10	19.40	30	ND	0.06	ND	ND	Pass

Note:

- (1) μg/cm²/week = microgram per square centimetre per week
- (2) Method Detection limit = 0.05 μg/cm²/week
- (3) ND = Not detected or less than the value of Method Detection Limit
- (4) Interpretation of test results:

Type of sample	Nickel Release(μg/cm ² /week)	
	Pass	Fail
Other components in direct and prolonged contact with the skin	<0.88	≥0.88
Post assemblies and body piercings (Post assemblies which are inserted into pierced parts of the human body)	<0.35	≥0.35

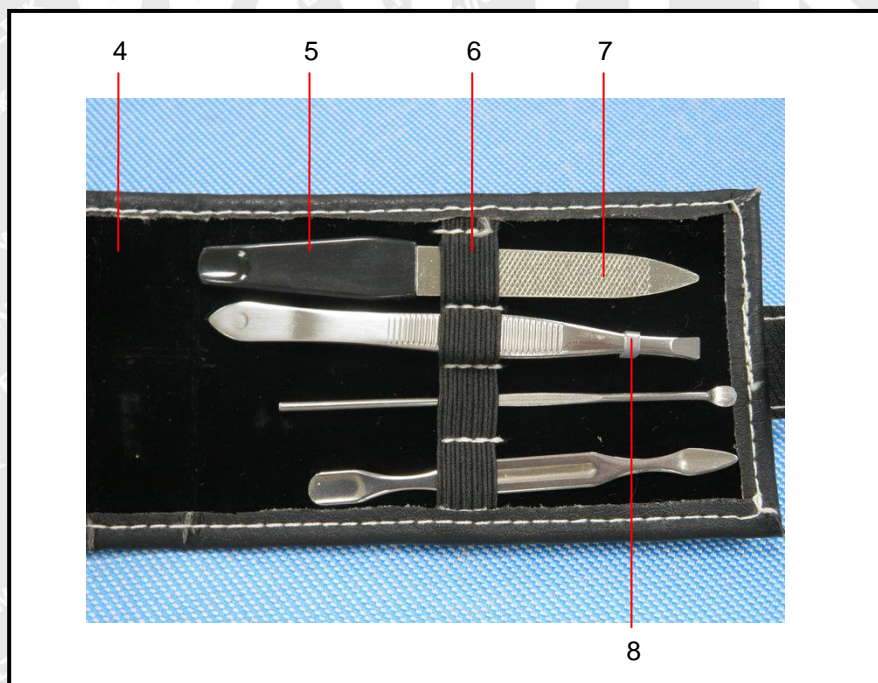
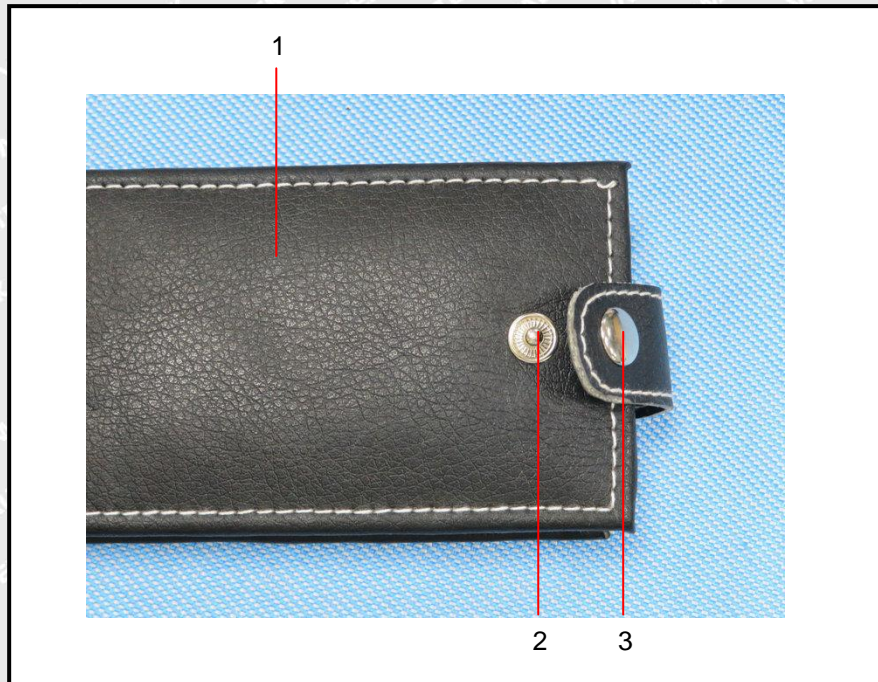
Description for Specimen:

- No.1: Black leather
- No.2: Silvery metal part
- No.3: Silvery metal cap
- No.4: Black wool fabrics
- No.5: Black plastic shell
- No.6: Black nylon tape
- No.7: Silvery metal knife
- No.8: Transparent soft plastic part
- No.9: Silvery metal rivet
- No.10: Silvery metal scissor



Report No.: WTF22F03042889C

Photograph of parts tested:





Report No.: WTF22F03042889C



WALTEK



Report No.: WTF22F03042889C

Remarks:

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

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