

TEST REPORT

Report No	WTF23F10216650A1R1C
Applicant	Mid Ocean Brands B.V.
Address : Manufacturer :	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong 114697
Sample Name	Refer to next page (s)
Sample Model	Refer to next page (s)
Test Requested	Refer to next page (s)
Test Conclusion	Pass (please refer to next pages for details)
Date of Receipt sample	2023-10-10 & 2023-10-26
Testing period	2023-10-10 to 2023-10-16 & 2023-10-26 to 2023-10-31
Date of Issue	2023-11-01
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



Summary

tem No.	Test Requested	Test Conclusion
un 1 w	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	Pass
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	Pass
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	Pass
4	Determine the specified AZO Colorants contents in the submitted sample in according to the Entries 43 in Annex XVII of the REACH Regulation (EC) No.1907/2006 and the Amendment Regulation (EC) No.552/ 2009 & No.126/ 2013 (previously restricted under Directive 2002/61/EC).	Pass
5 Miles	Determination of specified Polycyclic Aromatic Hydrocarbons (PAHs) content in submitted sample in accordance with Entries 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 1272/2013.	Pass
6	As requested by the applicant, to test Colour Fastness to Rubbing in the submitted sample.	Pass

Specimen No.	Specimen Description	Sample Name	Sample Model
+ set 1set wiret	1 Black main fabric		Tet stret
2	White main fabric	White white white	
white with a white a	Blue main fabric	NEEK INLIEK MALIEK	
ant with a state of	Dark blue main fabric	A A A	
5	Grey main fabric	and and and	
6	Black plastic loop(VELCRO)	23 inch umbrella	MO2168
The The Miles	Black plastic hook(VELCRO)	10 10 50	
8	White plastic loop(VELCRO)	an and and and	
9	White plastic hook(VELCRO)	IT MALTER WALTER S	
in min 10 min main	Blue plastic loop(VELCRO)	et auret intret and	
5 at 11 at 5th	Blue plastic hook(VELCRO)		

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Specimen No.	Specimen Description	Sample Name	Sample Model
12	Dark blue plastic loop(VELCRO)	NUTER WALTER WALTE	white where a
13	Dark blue plastic hook(VELCRO)	et jet jet	
14	Grey plastic loop(VELCRO)	and the second and the	
15	Grey plastic hook(VELCRO)	MALTER WALTER WI	
16	Black plastic strip	Tet thet all	
17	Black plastic cap	in when we	
18	Black plastic cap	LIER WALTER WALTE	
19	Black plastic handle	at that what	
20	Black plastic tube	WITH WITH TO	
21	Silvery metal sheet	WALTER WALTE WAY	
22	Black coating	stat state with	
23	Silvery metal tube without black coating	at the the	
24	Black plastic cap	a water ware	
25	Silvery metal strip		
26	Black plastic gasket		
27	Black plastic tube	sints sume sur	
28	Black plastic holder	LIEK WALTER WALTE	
29	Silvery metal spring with black coating	et set set	
30	Silvery metal rivet	when when it	
31	Black plastic shell	WALTER WALTER WA	
32	Black plastic shell	Tet thet with	
33	Silvery metal rivet	in with su	
34	Multicolour main fabric	The most water	and we w
35	Grey plastic button	23 inch umbrella	MO2169
36	Silvery-grey main fabric	the state	et tet te
37	Black plastic cap	30 inch umbrella	MO2166
38	Black plastic tube	all all all	

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Report No.: WTF23F10216650A1R1C

s st	Specimen No.	men No. Specimen Description		Sample Model	
55	39	Silvery metal sheet	NATER WALTER WALTE	white when w	
et-	40	Transparent soft plastic gasket	at set set	NUTER INTER MAL	
- 2	41	Silvery metal spring with black coating	white where	at at all	

Sample photo:



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Test Results:

1) Lead (Pb)

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

Test Item	LOQ Results (mg/kg)		ng/kg)	Limit
	(mg/kg)	No.1+No.3+No.4	No.2	(mg/kg)
Lead(Pb)	2	ND*	ND	500
Conclusion	MITE WALTE	Pass	Pass	Alt State and

Test Item	LOQ	DQ Results (mg/kg)		Limit
	(mg/kg)	No.5+No.34+No.36	No.6+No.7+No.8	(mg/kg)
Lead(Pb)	2	ND*	ND*	500
Conclusion	et mile - mile	Pass	Pass	at 3th

Test Item	LOQ	Results (mg/kg)		Limit
	(mg/kg)	No.9+No.10+No.11	No.12+No.13	(mg/kg)
Lead(Pb)	2	ND*	ND*	500
Conclusion	5	Pass	Pass	at - at

Test Item (LOQ	Result	s (mg/kg)	Limit
	(mg/kg)	No.14+No.15	No.16+No.17+No.18	(mg/kg)
Lead(Pb)	2	ND*	29*	500
Conclusion	MALL WALL	Pass	Pass	Set - Set

Test Item	LOQ	Results (m	Results (mg/kg)	
	(mg/kg)	No.19+No.20+No.24	No.21	(mg/kg)
Lead(Pb)	2	43*	ND ND	500
Conclusion	nit in it in	Pass	Pass	dt _dtd

Test Item	LOQ	Results (mg/kg)		Limit
	(mg/kg)	No.22	No.23	(mg/kg)
Lead(Pb)	2	ND	ND ND	500
Conclusion	and and and a second	Pass	Pass	1 - 1 - 1

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Test Item	LOQ	Results (mg/kg)		Limit
	(mg/kg)	No.25	No.26+No.27+No.28	(mg/kg)
Lead(Pb)	2	ND	31*	500
Conclusion		Pass	Pass	mer the a

Test Item	LOQ	Results	Limit	
	(mg/kg)	No.29	No.30	(mg/kg)
Lead(Pb)	2	ND	ND	500
Conclusion		Pass	Pass	me m

Test Item	toq 🖉	Results (m	Limit	
	(mg/kg)	No.31+No.32+No.35	No.33	(mg/kg)
Lead(Pb)	2	ND*	ND	500
Conclusion	11 11 1	Pass	Pass	in me - m

Test Item	LOQ	Results (m	Limit	
	(mg/kg)	No.37+No.38+No.40	No.39	(mg/kg)
Lead(Pb) 2		40*	ND	500
Conclusion		Pass	Pass	me me m

Test Item	LOQ Results (mg/kg)		Limit	
Lead(Pb)	(mg/kg)	No.41	(mg/kg) 500	
Conclusion		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.



2) Cadmium (Cd)

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

Tool home of the st	LOQ	Results	(mg/kg)	
Test Item	(mg/kg)	No.16+No.17+No.18	No.19+No.20+No.24	
Cadmium(Cd)	2	ND*	ND*	
Conclusion	1 A	Pass	Pass	

to a liter of the second	LOQ	Results (mg/kg)		
Test Item	(mg/kg)	No.22	No.26+No.27+No.28	
Cadmium(Cd)	2 5	ND	ND*	
Conclusion	the state	Pass	Pass	

Test Item	LOQ	Results (mg/kg)		
	(mg/kg)	No.29	No.31+No.32+No.35	
Cadmium(Cd)	2 JP 2 JP 3	ND	ND*	
Conclusion	A-	Pass	Pass	

Tool home shirt	LOQ	Results (m	ig/kg)
Test Item	(mg/kg)	No.37+No.38+No.40	No.41
Cadmium(Cd)	2	ND*	ND ST
Conclusion	1 1 1	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

(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	LOQ (%)	Results (%)	Limit (%)
A CONTRACTOR AND A CONTRACTOR		No.16+No.17+No.18	ter miter white w
Benzyl butyl phthalate (BBP)	0.005	ND*	
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	0.023*	sum of four
Dibutyl phthalate (DBP)	0.005	0.008*	phthalates < 0.1
Diisobutyl phthalate (DIBP)	0.005	ND*	and and any
Diisodecyl phthalate (DIDP)	0.01	ND*	LIEK MALTER MALTER
Diisononyl phthalate (DINP)	0.01	ND*	sum of three phthalates < 0.1
Di-n-octyl phthalate (DNOP)	0.005	ND* ND*	VILLE VILLE VILLE
Conclusion	and all	Pass	St 14 5

Test Items	LOQ (%)	Results (%) No.19+No.20+No.24	Limit (%)
Benzyl butyl phthalate (BBP)	0.005	ND*	mr. m. m.
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	0.009*	sum of four
Dibutyl phthalate (DBP)	0.005	ND*	phthalates < 0.1
Diisobutyl phthalate (DIBP)	0.005	ND*	and and and
Diisodecyl phthalate (DIDP)	0.01	ND*	et wiret wiret all
Diisononyl phthalate (DINP)	0.01	ND*	sum of three phthalates < 0.1
Di-n-octyl phthalate (DNOP)	0.005	ND*	
Conclusion	Martin Martin	Pass	1 15 15



Test Items	LOQ (%)	Results (%) No.26+No.27+No.28	Limit (%)	
Benzyl butyl phthalate (BBP)	0.005	ND*	NET WALK WAL	
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	0.043*	sum of four	
Dibutyl phthalate (DBP)	0.005	ND*	phthalates < 0.1	
Diisobutyl phthalate (DIBP)	0.005	ND*	WALTER WALTER WA	
Diisodecyl phthalate (DIDP)	0.01	ND*	at out with	
Diisononyl phthalate (DINP)	0.01	0.024*	sum of three phthalates < 0.1	
Di-n-octyl phthalate (DNOP)	0.005	ND*		
Conclusion	State - State of	Pass	· · ·	

Test Items	LOQ	Results (%)	Limit	
	(%)	No.31+No.32+No.35	(%)	
Benzyl butyl phthalate (BBP)	0.005	ND*	Intite worth w	
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	ND*	sum of four	
Dibutyl phthalate (DBP)	0.005	ND*	phthalates < 0.1	
Diisobutyl phthalate (DIBP)	0.005	ND*	White white	
Diisodecyl phthalate (DIDP)	0.01	ND*	a at at	
Diisononyl phthalate (DINP)	0.01	ND*	sum of three phthalates < 0.1	
Di-n-octyl phthalate (DNOP)	0.005	ND*		
Conclusion	1	Pass		



Test Items	LOQ (%)	Results (%) No.37+No.38+No.40	Limit (%)	
Benzyl butyl phthalate (BBP)	0.005	ND*	NET MALL WALL	
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	ND*	sum of four	
Dibutyl phthalate (DBP)	0.005	ND*	phthalates < 0.1	
Diisobutyl phthalate (DIBP)	0.005	ND*	WALL WALL WALL	
Diisodecyl phthalate (DIDP)	0.01	ND*	ANT JER STR	
Diisononyl phthalate (DINP)	0.01	ND*	sum of three phthalates < 0.1	
Di-n-octyl phthalate (DNOP)	0.005	ND*		
Conclusion	STER STER	Pass	1 1 - A	

Note:

DBP= Dibutyl phthalate DINP= Di-isononyl phthalate DIBP= Diisobutyl phthalate BBP= Benzyl butyl phthalate DNOP= Di-n-octyl phthalate DEHP= Bis-(2-ethylhexyl)- phthalate DIDP= Di-isodecyl 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.
- (6) "*" = Results are calculated by the minimum weight of mixed components.



4) AZO

Test Method: With reference to BS EN ISO 14362-1: 2017 and BS EN ISO 14362-3: 2017, analysis was performed by Gas Chromatographic Mass Spectrometry (GC-MS)

No.	Amines Substances	CAS No.	Limit	Result (mg/kg)	
			(mg/kg)	No.1+No.3+No.4	
1	4-Aminobiphenyl	92-67-1	30	ND*	
2	Benzidine	92-87-5	30	ND*	
3	4-chloro-o-Toluidine	95-69-2	30	ND*	
4	2-Naphthylamine	91-59-8	30	ND* ND	
5	o-Aminoazotoluene	97-56-3	30	ND*	
6	2-Amino-4-nitrotoluene	99-55-8	30	ND*	
7	p-Chloroaniline	106-47-8	30	ND*	
8	2,4-diaminoanisol	615-05-4	30	ND*	
9	4,4'-Diaminodiphenylmethane	101-77-9	30	ND*	
10	3,3'-Dichlorobenzidine	91-94-1	30	ND*	
.11	3,3'-Dimethoxybenzidine	119-90-4	30	ND*	
12	3,3'-Dimethylbenzidine	119-93-7	30	ND*	
13	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	30	ND*	
14	p-cresinin	120-71-8	30	ND*	
15	4,4'-Methylen-bis-(2-chloroaniline)	101-14-4	30	ND*	
16	4,4'-Oxydianiline	101-80-4	30	ND*	
17	4,4'-Thiodianiline	139-65-1	30	ND*	
18	o-Toluidine	95-53-4	30	ND*	
19	2,4-Toluylendiamine	95-80-7	30	ND*	
20	2,4,5 – Trimethylaniline	137-17-7	30	ND*	
21	o-anisidine	90-04-0	30	H ND*	
22	4-aminoazobenzene	60-09-3	30 1	ND*	
23	2,4-Xylidin	95-68-1	30	ND*	
24	2,6-Xylidin	87-62-7	30	ND*	
ale -	Conclusion			Pass	



No.	Amineo Substances	CAS No.	Limit	Result (mg/kg) No.5+No.34+No.36	
110.	Amines Substances		(mg/kg)		
1 2	4-Aminobiphenyl	92-67-1	30	ND*	
2	Benzidine	92-87-5	30	ND*	
3	4-chloro-o-Toluidine	95-69-2	30 30	ND*	
4	2-Naphthylamine	91-59-8	30	ND*	
5	o-Aminoazotoluene	97-56-3	30	ND*	
6	2-Amino-4-nitrotoluene	99-55-8	<u>30</u>	ND*	
7	p-Chloroaniline	106-47-8	30	ND*	
8	2,4-diaminoanisol	615-05-4	- 30	ND*	
9	4,4'-Diaminodiphenylmethane	101-77-9	30	ND*	
10	3,3'-Dichlorobenzidine	91-94-1	30	ND*	
11	3,3'-Dimethoxybenzidine	119-90-4	30 👘	ND*	
12	3,3'-Dimethylbenzidine	119-93-7	30	ND*	
13	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	30	ND*	
14	p-cresinin	120-71-8	30	ND*	
15	4,4'-Methylen-bis-(2-chloroaniline)	101-14-4	30	ND*	
16	4,4'-Oxydianiline	101-80-4	30	ND*	
17	4,4'-Thiodianiline	139-65-1	30	ND*	
18	o-Toluidine	95-53-4	30	ND*	
19	2,4-Toluylendiamine	95-80-7	30	ND*	
20	2,4,5 – Trimethylaniline	137-17-7	30	ND*	
21	o-anisidine	90-04-0	30	ND*	
22	4-aminoazobenzene	60-09-3	30	ND*	
23	2,4-Xylidin	95-68-1	30	ND*	
24	2,6-Xylidin	87-62-7	30	ND* M	
. de	Conclusion	1		Pass	

Note:

- ND = Not Detected or lower than limit of quantitation
- mg/kg=Milligram per kilogram
- Limit of quantitation (mg/kg): Each 5mg/kg
- The CAS-numbers 97-56-3 and 99-55-8 are further reduced to CAS-numbers 95-53-4 and 95-80-7.
- AZO colorants that are able to form 4-aminoazobenzene, generate under the condition of this method aniline and 1,4-phenylenediamine. The presence of these colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorant used.
- "*" = Results are calculated by the minimum weight of mixed components.



5) Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method: With reference to AFPS GS 2019:01 PAK method, analysis was performed by Gas Chromatographic Mass Spectrometry (GC-MS).

Test Items	Unit	Results No.19+No.20+No.24	LOQ	Limit
Benzo(a)anthracene (BaA)	mg/kg	ND*	0.2	1.0
Chrysene (CHR)	mg/kg	ND*	0.2	1.0
Benzo[b]fluoranthene (BbFA)	mg/kg	ND*	0.2	1.0
Benzo[k]fluoranthene (BkFA)	mg/kg	ND*	0.2	
Benzo(a)pyrene (BaP)	mg/kg	ND*	0.2	1.0
Dibenzo[a,h]anthracene (DBAhA)	mg/kg	ND*	0.2	1.0
Benzo[j]fluoranthene (BjFA)	mg/kg	ND*	0.2	1.0
Benzo[e]Pyrene (BeP)	mg/kg	ND*	0.2	Jr 1.0 Jr
Conclusion	mer -mer	Pass	1- st	A- 5

Note:

(1) ND = Not Detected or lower than limit of quantitation

- (2) mg/kg=milligram per kilogram=ppm
- (3) LOQ = Limit of quantitation
- (4) As per Entries 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 1272/2013, Articles shall not be placed on the market for supply to the general public, if any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, contain more than 1 mg/kg (0,0001 % by weight of this component) of any of the listed PAHs.
- (5) As per Entries 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 1272/2013, Toys, including activity toys, and childcare articles, shall not be placed on the market, if any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, contain more than 0,5 mg/kg (0,00005 % by weight of this component) of any of the listed PAHs.
- (6) "*" = Results are calculated by the minimum weight of mixed components.



6) Colour Fastness to Rubbing

Colour Fastne	ess to Rubbing	at at	tet with mi	in which she	The the
(ISO 105-X12:	2016; Size of rubbing	finger: 16mm dia	ameter.)	i de d	t at at
when when	m. m. n	No.1	No.3	No.4	Client's Limit
L on oth	Dry staining	4-5	4-5	4-5	2-3
Length	Wet staining	4-5	4-5	4-5	2-3
\\/;alth	Dry staining	4-5	4-5	4-5	2-3
Width	Wet staining	4-5	4-5	4-5	2-3
Conclusion	w w	Pass	Pass	Pass	r m - m

Colour Fastness to Rubbing								
(ISO 105-X12:	2016; Size of rubbing	finger: 16mm dia	ameter.)	at at	St 50			
m. m	24. 2	No.5	No.34	No.36	Client's Limit			
Length	Dry staining	4-5	4-5	4-5	2-3			
	Wet staining	4-5	4-5	4-5	2-3			
Width	Dry staining	4-5	4-5	4-5	2-3			
	Wet staining	4-5	4-5	4-5	2-3			
Conclusion		Pass	Pass	Pass	111 - 111			

Note:

(1) Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.



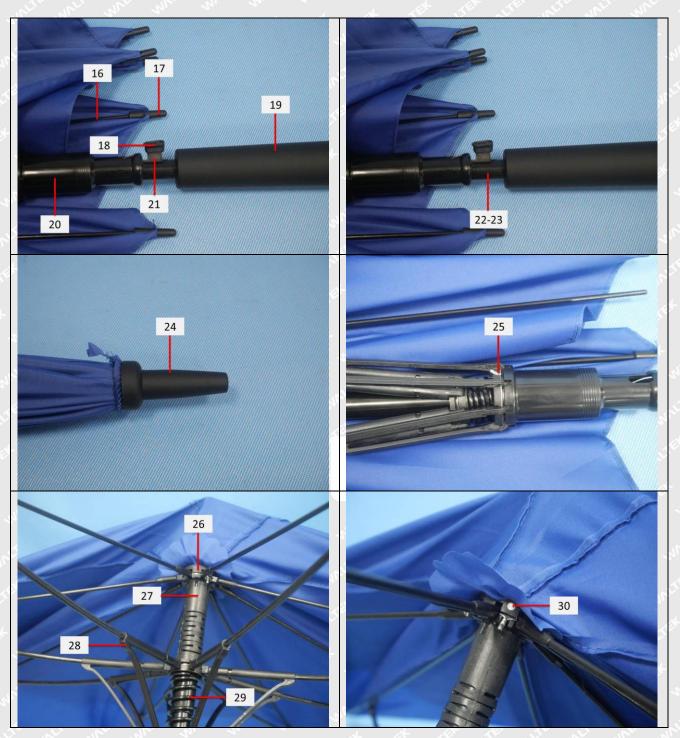
Photograph of parts tested:





N. 000-10

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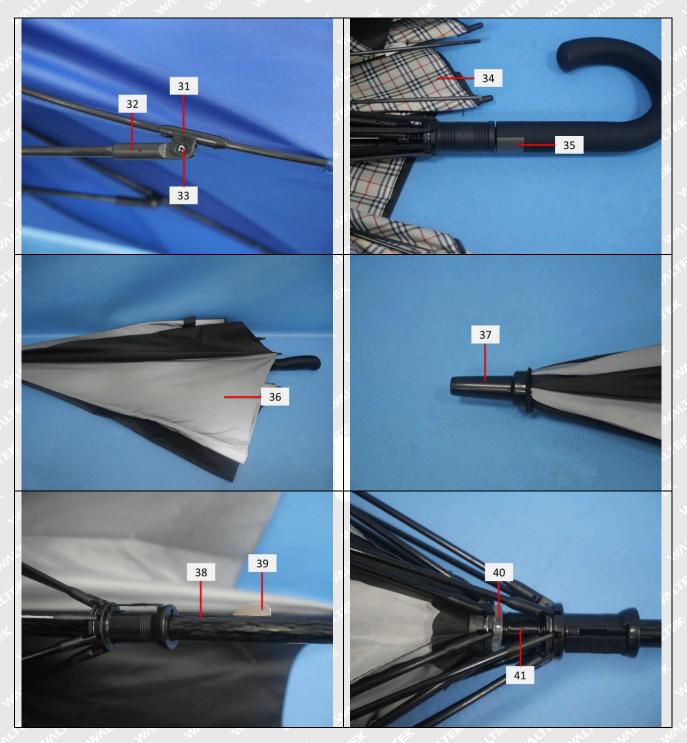
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Remarks:

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