



# REPORT

Technical Report: (5218)326-0209 (revised)

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Sample Number  
(5218)326-0209





CONSUMER PRODUCTS SERVICES DIVISION

## SHEDRAIN HONG KONG LIMITED

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Date Received: NOVEMBER 22, 2018

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SHEDRAIN HONG KONG LIMITED  
UNIT B, 15/F., OFFICE PLUS @ MONG KOK,  
998 CANTON RD., MONG KOK, KLN., HK.

# PASS

Sample Description:	UMBRELLA		
Manufacturer:	#22	PO No.:	N/A
Buyer:	SHEDRAIN	Style:	#1208, #1349A
Country of Origin:	CHINA	Country of Destination:	USA
Color:	RED (3 PCS), BLACK (3 PCS) (FOR SPARE: CHARCOAL, 3 PCS)	SKU No.:	N/A
Protocol No.:	N/A	UPC Code:	N/A
Previous Report No.:	N/A	Lot No:	N/A



**EXECUTIVE SUMMARY:**

1. The submitted samples demonstrated satisfactory analytical property in the following analytical test(s) (Pass)
  - Total lead in surface coating (90 ppm)
  - Total lead content in substrate (100 ppm)
  - Phthalates (BBP/DBP/DEHP/DINP/DIDP/DnHP) (1000 ppm)
  - Total Cadmium content (40 ppm)

**RESULTS:**

- The total lead content of 90ppm requirements of 16 CFR 1303, “Ban of lead-containing paint and certain consumer products bearing lead-containing paint” as mandated by Congress in section 101(f) of the Consumer Products Safety Improvement Act (CPSIA) of 2008, Public Law 110-314.

**TOTAL LEAD CONTENT IN SURFACE COATING ("Ban of Lead-containing paint and certain consumer products bearing Lead-containing paint", Consumer Product Safety Improvement Act (CPSIA) of 2008)**

**Test Method:** U.S. CPSC-CH-E1003.09.1:2011

Analyte	Lead	
Requirement: Maximum allowable limit:	90 mg/kg	

Analyte			Lead (Pb)		Conclusion
Sample Description			Result		
Color / Component	Location	Style	(mg/kg)		
(A)	Dull white/ dull black coating	Sewn label	B, C	11.3	Pass
(B)	Bright black coating	Rib, stretcher	B, C	16.4	Pass
(C)	Dull clear coating	Handle	B, C	LT 10	Pass

LT = Less Than

mg/kg =milligrams per kilogram (ppm=parts per million)

\* = Average of duplicate analyses

Remark:

In some cases, the tested component cannot be tested individually due to overlapped coatings.



- The total lead content of 100ppm requirements in substrate materials (Consumer Products Safety Improvement Act (CPSIA) of 2008).

**TOTAL LEAD CONTENT IN SUBSTRATE (100PPM) (Consumer Product Safety Improvement Act (CPSIA) of 2008)**

**Test Method:** U.S. CPSC-CH-E1001-08.3:2012 or U.S. CPSC-CH-E1002-08.3:2012

Analyte	Lead	
Requirement: Maximum allowable limit:	100 mg/kg	

Analyte			Lead (Pb)		Conclusion
Sample Description			Result		
Color / Component	Location	Style	(mg/kg)		
(A)	Silvery metal	Metal rod	B, C	32.0	Pass
(B)	Light silvery metal	Dot button of metal rod	B, C	18.0	Pass
(C)	Deep silvery metal	Plate button of metal rod	B, C	63.1	Pass
(D)	Dark silvery metal	Nail of top	B, C	34.4	Pass
(E)	Bright silvery metal	End of wire of top	B, C	13.5	Pass
(F)	Shiny silvery metal	Rib, stretcher	B, C	33.8	Pass
(G)	Sharp silvery metal	Rib	B, C	34.3	Pass
(H)	Metallic silvery metal	Tip of rib	B, C	30.9	Pass
(I)	Off silvery metal	Rivet of rib	B, C	35.9	Pass
(J)	Dull silvery metal	Wire linkage of rib	B, C	33.3	Pass
(K)	Silvery printed black plastic	Handle, tip	B, C	25.5	Pass
(L)	Silvery printed dull black plastic	Runner, top	B, C	LT 10	Pass
(M)	Clear laminated white printed clear plastic sticker	Sticker on handle	B, C	LT 10	Pass
(A)	Black string	String of handle	B, C	LT 10	Pass
(B)	Black thread/ black fabric	Umbrella, sheath	B	LT 10	Pass
(C)	Grey thread/ grey fabric	Umbrella, sheath	C	LT 10	Pass
(D)	White felt	Inner sheath	B, C	LT 10	Pass
(E)	White fabric	Sewn label	B, C	LT 10	Pass
(F)	Black/ white knitted fabric	Logo label	B, C	LT 10	Pass
(G)	Black hook and loop fastener	Velcro	B	LT 10	Pass
(H)	Grey hook and loop fastener	Velcro	C	LT 10	Pass
(N)	Soft silvery metal	Spring of rib	B, C	35.6	Pass

LT = Less Than

\* = Average of duplicate analyses

mg/kg = milligrams per kilogram (ppm = parts per million)



- The total cadmium content of surface coating and substrate materials requirements in client's specification (40ppm).  
**CLIENT'S TOTAL CADMIUM CONTENT IN SURFACE COATING AND SUBSTRATE (40PPM)**

Element:				Cadmium	Conclusion
Requirement: Maximum allowable limit: (0.0040% by weight)				40mg/kg	
Sample Description			Style	Result (mg/kg)	Conclusion
Color / Component	Location				
(I)	Dull white/ dull black coating	Sewn label	B, C	LT 10	Pass
(J)	Bright black coating	Rib, stretcher	B, C	LT 10	Pass
(K)	Dull clear coating	Handle	B, C	LT 10	Pass
(L)	Silvery metal	Metal rod	B, C	LT 10	Pass
(M)	Light silvery metal	Dot button of metal rod	B, C	LT 10	Pass
(N)	Deep silvery metal	Plate button of metal rod	B, C	LT 10	Pass
(O)	Dark silvery metal	Nail of top	B, C	LT 10	Pass
(P)	Bright silvery metal	End of wire of top	B, C	LT 10	Pass
(Q)	Shiny silvery metal	Rib, stretcher	B, C	LT 10	Pass
(R)	Sharp silvery metal	Rib	B, C	LT 10	Pass
(S)	Metallic silvery metal	Tip of rib	B, C	LT 10	Pass
(T)	Off silvery metal	Rivet of rib	B, C	LT 10	Pass
(U)	Dull silvery metal	Wire linkage of rib	B, C	LT 10	Pass
(V)	Silvery printed black plastic	Handle, tip	B, C	LT 10	Pass
(W)	Silvery printed dull black plastic	Runner, top	B, C	LT 10	Pass
(X)	Clear laminated white printed clear plastic sticker	Sticker on handle	B, C	LT 10	Pass
(Y)	Black string	String of handle	B, C	LT 10	Pass
(Z)	Black thread/ black fabric	Umbrella, sheath	B	LT 10	Pass
(AA)	Grey thread/ grey fabric	Umbrella, sheath	C	LT 10	Pass
(BB)	White felt	Inner sheath	B, C	LT 10	Pass
(CC)	White fabric	Sewn label	B, C	LT 10	Pass
(DD)	Black/ white knitted fabric	Logo label	B, C	LT 10	Pass
(EE)	Black hook and loop fastener	Velcro	B	LT 10	Pass
(FF)	Grey hook and loop fastener	Velcro	C	LT 10	Pass
(GG)	Soft silvery metal	Spring of rib	B, C	LT 10	Pass

LT = Less Than

\* = Average of duplicate analyses

mg/kg = milligrams per kilogram (ppm = parts per million)



- The BBP, DBP & DEHP content requirements of the Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(a) Prohibition On Sale of Certain Products Containing Specified Phthalates.

**PHthalates CONTENT IN CHILDREN'S TOYS AND CHILDCARE ARTICLES (Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(a) Prohibition On Sale of Certain Products Containing Specified Phthalates - BBP / DBP / DEHP CONTENT)**

**Test Method:** With reference to U. S. CPSC-CH-C1001-09.3 (April 1, 2010).

Sample Identity	Color / Component	Location	Style
A	Dull white/ dull black coating	Sewn label	B, C
B	Bright black coating	Rib, stretcher	B, C
C	Dull clear coating	Handle	B, C
D	Silvery printed black plastic	Handle, tip	B, C
E	Silvery printed dull black plastic	Runner, top	B, C
F	Clear laminated white printed clear plastic sticker	Sticker on handle	B, C

Analyte:	BBP	DBP	DEHP
Limit (%):	0.1	0.1	0.1

Analyte	BBP	DBP	DEHP	Conclusion
Sample	Result (%)			
A	LT 0.005	LT 0.005	LT 0.005	PASS
B	LT 0.005	LT 0.005	LT 0.005	PASS
C	LT 0.005	LT 0.005	LT 0.005	PASS
D	LT 0.005	LT 0.005	LT 0.005	PASS
E	LT 0.005	LT 0.005	LT 0.005	PASS
F	LT 0.005	LT 0.005	LT 0.005	PASS

*Detection Limit :*

*BBP* = Butyl benzyl phthalate (0.005%)  
*DBP* = Dibutyl phthalate (0.005%)  
*DEHP* = Di(2-ethylhexyl) phthalate (0.005%)

*Results reported in percentage*  
*LT* = Less than  
*ND* = None detected





- The DNOP, DIDP & DINP content requirements of the Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(b)(1) Prohibition On Sale of Certain Products Containing Specified Phthalates.

**PHTHALATES CONTENT IN CHILDREN'S TOYS AND CHILDCARE ARTICLES (Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(b)(1) Prohibition On Sale of Certain Products Containing Specified Phthalates - DNOP / DINP / DIDP CONTENT)**

**Test Method:** With reference to U. S. CPSC-CH-C1001-09.3 (April 1, 2010).

Sample Identity	Color / Component	Location	Style
A	Dull white/ dull black coating	Sewn label	B, C
B	Bright black coating	Rib, stretcher	B, C
C	Dull clear coating	Handle	B, C
D	Silvery printed black plastic	Handle, tip	B, C
E	Silvery printed dull black plastic	Runner, top	B, C
F	Clear laminated white printed clear plastic sticker	Sticker on handle	B, C

Analyte:	DNOP	DINP	DIDP
Limit (%):	0.1	0.1	0.1

Analyte	DNOP	DINP	DIDP	Conclusion
Sample	Result (%)			
A	LT 0.005	LT 0.005	LT 0.005	PASS
B	LT 0.005	LT 0.005	LT 0.005	PASS
C	LT 0.005	LT 0.005	LT 0.005	PASS
D	LT 0.005	LT 0.005	LT 0.005	PASS
E	LT 0.005	LT 0.005	LT 0.005	PASS
F	LT 0.005	LT 0.005	LT 0.005	PASS

*Detection Limit :*

DNOP = Di-n-octyl phthalate (0.005%)  
 DINP = Di-iso-nonyl phthalate (0.005%)  
 DIDP = Di-iso-decyl phthalate (0.005%)

*Results reported in percentage*

LT = Less than  
 ND = None detected





- The total lead content of surface coating requirements in client's specification (90ppm).

**CLIENT'S TOTAL LEAD CONTENT IN SURFACE COATING (90PPM)**

Element:			Lead		
Requirement: Maximum allowable limit: (0.0090% by weight)			90mg/kg		
Sample Description			Result (mg/kg)	Conclusion	
Color / Component	Location	Style			
(A)	Black coating	Pattern & words	/	LT 10	Pass

*LT = Less Than* *mg/kg = milligrams per kilogram (ppm = parts per million)*  
*\* = Average of duplicate analyses*

- The DINP content requirement of the client's specification.

**CLIENT'S DINP PHTHALATE CONTENT REQUIREMENT**

Test Parameter:			DINP		
Limit (%):			0.1		
Color / Component	Location	Style	Result (%)	Conclusion	
A.	Black coating	Pattern & words	/	LT 0.005	Pass

*Detection Limit :* *Results reported in percentage*  
*DINP = Di-iso-nonyl phthalate (0.005%)* *LT = Less than*  
*ND = None detected*

**REMARK:**

1. Per client's request, only the following test(s) were performed in this report, all other results are referred from report 52182550634:
  - Total lead in surface coating of logo of style A
  - DINP content of logo of style A
2. This report contains no test protocol.
3. The report number of the referred report was corrected in this revision.



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**NOTE:** If there are questions or concerns regarding above report, please contact the appropriate lab persons.

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