



# REPORT

Technical Report: (5218)255-0630

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SEPTEMBER 20, 2018



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CONSUMER PRODUCTS SERVICES DIVISION

## SHEDRAIN HONG KONG LIMITED

**Technical Report:** (5218)255-0630  
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JOHNNY LEUNG  
SHEDRAIN HONG KONG LIMITED  
UNIT B, 15/F., OFFICE PLUS @ MONG KOK,  
998 CANTON RD., MONG KOK, KLN., HK.

# PASS

Sample Description:	UMBRELLA		
Manufacturer:	ENSON	PO No.:	N/A
Buyer:	SHEDRAIN	Style:	#2282A
Country of Origin:	CHINA	Country of Destination:	USA
Color:	BLACK (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	/	LT 10	Pass
(B)	Bright black coating	Metal rod, rib, stretcher	/	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	Result (mg/kg)		
(A)	Silvery metal	Metal rod	/	35.5	Pass
(B)	Light silvery metal	Rib, stretcher	/	33.9	Pass
(C)	Deep silvery metal	Rib	/	32.2	Pass
(D)	Black plated silvery metal	Tip of rib	/	22.4	Pass
(E)	Dark silvery metal	Rivet of rib	/	23.9	Pass
(F)	Golden metal	Rivet of rib	/	68.2	Pass
(G)	Iridescent silvery metal	Spring of rib	/	32.4	Pass
(H)	Bright silvery metal	Wire linkage of rib	/	32.1	Pass
(I)	Shiny silvery metal	End of wire of runner and top	/	18.6	Pass
(J)	Black soft plastic	Handle	/	LT 10	Pass
(K)	Silvery printed black plastic	Body and button of handle, tip	/	LT 10	Pass
(L)	Dull black plastic	Runner, top	/	LT 10	Pass
(M)	White plastic	Rivet of rib	/	LT 10	Pass
(N)	Black strap	Strap of handle	/	LT 10	Pass
(O)	White string	String of metal rod	/	LT 10	Pass
(P)	Black thread/ black fabric	Umbrella, sheath	/	LT 10	Pass
(Q)	White felt	Inner sheath	/	LT 10	Pass
(R)	White fabric	Sewn label	/	LT 10	Pass
(S)	Black/ white knitted fabric	Logo label	/	LT 10	Pass
(T)	Black hook and loop fastener	Velcro	/	LT 10	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	
Requirement: Maximum allowable limit: (0.0040% by weight)				40mg/kg	
Sample Description				Result (mg/kg)	Conclusion
Color / Component	Location	Style			
(A)	Dull white/ dull black coating	Sewn label	/	LT 10	Pass
(B)	Bright black coating	Metal rod, rib, stretcher	/	LT 10	Pass
(C)	Silvery metal	Metal rod	/	LT 10	Pass
(D)	Light silvery metal	Rib, stretcher	/	LT 10	Pass
(E)	Deep silvery metal	Rib	/	LT 10	Pass
(F)	Black plated silvery metal	Tip of rib	/	LT 10	Pass
(G)	Dark silvery metal	Rivet of rib	/	LT 10	Pass
(H)	Golden metal	Rivet of rib	/	LT 10	Pass
(I)	Iridescent silvery metal	Spring of rib	/	LT 10	Pass
(J)	Bright silvery metal	Wire linkage of rib	/	LT 10	Pass
(K)	Shiny silvery metal	End of wire of runner and top	/	LT 10	Pass
(L)	Black soft plastic	Handle	/	LT 10	Pass
(M)	Silvery printed black plastic	Body and button of handle, tip	/	LT 10	Pass
(N)	Dull black plastic	Runner, top	/	LT 10	Pass
(O)	White plastic	Rivet of rib	/	LT 10	Pass
(P)	Black strap	Strap of handle	/	LT 10	Pass
(Q)	White string	String of metal rod	/	LT 10	Pass
(R)	Black thread/ black fabric	Umbrella, sheath	/	LT 10	Pass
(S)	White felt	Inner sheath	/	LT 10	Pass
(T)	White fabric	Sewn label	/	LT 10	Pass
(U)	Black/ white knitted fabric	Logo label	/	LT 10	Pass
(V)	Black hook and loop fastener	Velcro	/	LT 10	Pass

LT = Less Than

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

\* = Average of duplicate analyses



- 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	Bright black coating	Metal rod, rib, stretcher	/
C	Black soft plastic	Handle	/
D	Silvery printed black plastic	Body and button of handle, tip	/
E	Dull black plastic	Runner, top	/
F	White plastic	Rivet of rib	/

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	Bright black coating	Metal rod, rib, stretcher	/
C	Black soft plastic	Handle	/
D	Silvery printed black plastic	Body and button of handle, tip	/
E	Dull black plastic	Runner, top	/
F	White plastic	Rivet of rib	/

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

**REMARK:**

1. Per client's request, only the following test(s) were performed:
  - 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)
2. This report contains no test protocol.



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

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BUREAU VERITAS HONG KONG LIMITED

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