

Flashbay Electronics  
Building2, Jixun Industrial Park, Xinjiao, Dong'ao  
Village, Shatian Town, Huiyang District, Huizhou  
City, Guangdong Province, P.R.China

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Page 1 of 7





# TEST REPORT

**Test Report No.** : **4393785.51** Version 1  
**Project No.** : **4393785.00**  
**Test report date** : **2022-09-22**

Job No. : 22-02880  
Applicant : Flashbay Electronics  
Building2, Jixun Industrial Park, Xinjiao, Dong'ao Village, Shatian  
Town, Huiyang District, Huizhou City, Guangdong Province, P.R.China  
Product Name : Pen Series  
Model No. : Curve(CUR) ,Frosty(FRO),Quad(QD) ,Sleek(SLK)  
Test Requested : With reference to California Proposition 65:  
- Total Cadmium  
- Total Lead (Pb)  
- Phthalates  
Test Method : Please refer to next pages  
Sample Received : 2022-08-16, 2022-09-06  
Testing Period : 2022-08-16 to 2022-09-21

Test Results  
- following pages -

**Resume:**

Parameter	<b>Sample photo:</b>	
		
		
	SEE RESULTS	
Total Cadmium to CA65	SEE RESULTS	
Total Lead (Pb) to CA65	SEE RESULTS	
Phthalates to CA65	SEE RESULTS	

Guangzhou, September 22, 2022

Signed for and on behalf of

**DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou branch**

Chemical & Mechanical




Devin Ai  
Assistant Manager

Attention: Please note that every statement made in this report is only valid for the samples tested and reported herein. This report shall not be reproduced except in full, without the written approval of the testing laboratory.

**TESTED COMPONENTS:**

- (1) White plastic (pen)
- (2) Blue plastic (pen)
- (3) Red plastic (pen)
- (4) Black plastic (pen)
- (5) Silver metal (refill head)
- (6) Blue-purple ink (inside the refill)
- (7) Silver metal (pen holder)
- (8) Silver plastic (pen housing)
- (9) Grey coating (pen housing)
- (10) Red coating (pen housing)
- (11) Black coating (pen housing)
- (12) Blue coating (pen housing)
- (13) Silver metal (pen middle)
- (14) Black soft plastic (the top of the pen)
- (15) Bright white plastic (shell)
- (16) White plastic (inside the pen)
- (17) White plastic (refill middle)
- (18) Beige plastic (refill top)
- (19) Black plastic (inside the pen)
- (20) Silver metal (spring)
- (21) Black matte plastic (pen housing)
- (22) Black transparent plastic (pen housing)
- (23) Blue matte plastic (pen housing)
- (24) Transparent blue plastic (pen housing)
- (25) Red matte plastic (pen housing)
- (26) Transparent red plastic (pen housing)
- (27) Black soft plastic (pen housing)
- (28) Red soft plastic (pen housing)
- (29) Green soft plastic (pen housing)
- (30) Blue soft plastic (pen housing)
- (31) Black plastic (button)
- (32) Green plastic (button)
- (33) Blue plastic (button)
- (34) Red plastic (button)
- (35) Light blue ink (inside the refill)
- (36) Green ink (inside the refill)
- (37) Red ink (inside the refill)
- (38) Black plastic (refill sleeve inside the pen)
- (39) White plastic (refills)

## TEST RESULTS

### California Proposition 65

#### Total Cadmium

With reference to EPA 3052-1996 and EPA 6010C-2007. Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Item	Result (mg/kg)				MDL (mg/kg)
	(1)/(2)/(3)	(4)	(5)	(6)	
Total Cadmium	N.D.	N.D.	N.D.	N.D.	5

Test Item	Result (mg/kg)				MDL (mg/kg)
	(7)/(8)	(9)	(10)	(11)	
Total Cadmium	N.D.	N.D.	N.D.	N.D.	5

Test Item	Result (mg/kg)				MDL (mg/kg)
	(12)	(13)	(14)/(15)	(16)/(17)/(18)	
Total Cadmium	N.D.	N.D.	N.D.	N.D.	5

Test Item	Result (mg/kg)				MDL (mg/kg)
	(19)/(21)	(20)	(22)/(23)/(24)	(25)/(26)/(27)	
Total Cadmium	N.D.	N.D.	N.D.	N.D.	5

Test Item	Result (mg/kg)				MDL (mg/kg)
	(28)/(29)/(30)	(31)/(32)/(33)	(34)/(38)/(39)	(35)	
Total Cadmium	N.D.	N.D.	N.D.	N.D.	5

Test Item	Result (mg/kg)		MDL (mg/kg)
	(36)	(37)	
Total Cadmium	N.D.	N.D.	5

**Remark:**

1. N.D. = Not Detected (below MDL)
2. MDL = Method Detection Limit
3. mg/kg = Milligram per kilogram

#### Total Lead (Pb)

With reference to EPA 6010 and EPA 6020. Analysis was performed by Inductively Coupled Plasma Mass Spectrometry.

Test Item	Result (mg/kg)				MDL (mg/kg)
	(1)/(2)/(3)	(4)	(5)	(6)	
Total Lead (Pb)	N.D.	N.D.	N.D.	N.D.	5

Test Item	Result (mg/kg)				MDL (mg/kg)
	(7)/(8)	(9)	(10)	(11)	
Total Lead (Pb)	N.D.	N.D.	N.D.	N.D.	5

Test Item	Result (mg/kg)				MDL (mg/kg)
	(12)	(13)	(14)/(15)	(16)/(17)/(18)	
Total Lead (Pb)	N.D.	N.D.	N.D.	N.D.	5

Test Item	Result (mg/kg)				MDL (mg/kg)
	(19)/(21)	(20)	(22)/(23)/(24)	(25)/(26)/(27)	
Total Lead (Pb)	N.D.	N.D.	N.D.	N.D.	5

Test Item	Result (mg/kg)				MDL (mg/kg)
	(28)/(29)/(30)	(31)/(32)/(33)	(34)/(38)/(39)	(35)	
Total Lead (Pb)	N.D.	N.D.	N.D.	N.D.	5

Test Item	Result (mg/kg)		MDL (mg/kg)
	(36)	(37)	
Total Lead (Pb)	N.D.	N.D.	5

**Remark:**

1. N.D. = Not Detected (below MDL)
2. MDL = Method Detection Limit
3. mg/kg = Milligram per kilogram

**Phthalates**

With reference to CPSC-CH-C1001-09.4. Analysis was performed by Gas Chromatographic-Mass Spectrometer (GC-MS).

Test Item	Result (%)				MDL (%)
	(1)/(2)/(3)	(4)/(8)	(6)	(9)	
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	0.003
Benzyl butyl phthalate (BBP)	N.D.	N.D.	N.D.	N.D.	0.003
Diethyl hexyl phthalate (DEHP)	N.D.	N.D.	N.D.	N.D.	0.003
Di-iso-nonyl phthalate (DINP)	N.D.	N.D.	N.D.	N.D.	0.005
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	N.D.	N.D.	0.003
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	N.D.	N.D.	0.005
Di-n-hexyl phthalate (DnHP)	N.D.	N.D.	N.D.	N.D.	0.003

Test Item	Result (%)				MDL (%)
	(1)/(2)/(3)	(4)/(8)	(6)	(9)	
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	N.D.	0.003
Di-n-pentyl phthalate (DPENP)	N.D.	N.D.	N.D.	N.D.	0.003
Dicyclohexyl phthalate (DCHP)	N.D.	N.D.	N.D.	N.D.	0.003

Test Item	Result (%)				MDL (%)
	(10)	(11)	(12)	(14)	
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	0.003
Benzyl butyl phthalate (BBP)	N.D.	N.D.	N.D.	N.D.	0.003
Diethyl hexyl phthalate (DEHP)	N.D.	N.D.	N.D.	N.D.	0.003
Di-iso-nonyl phthalate (DINP)	N.D.	N.D.	N.D.	N.D.	0.005
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	N.D.	N.D.	0.003
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	N.D.	N.D.	0.005
Di-n-hexyl phthalate (DnHP)	N.D.	N.D.	N.D.	N.D.	0.003
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	N.D.	0.003
Di-n-pentyl phthalate (DPENP)	N.D.	N.D.	N.D.	N.D.	0.003
Dicyclohexyl phthalate (DCHP)	N.D.	N.D.	N.D.	N.D.	0.003

Test Item	Result (%)			MDL (%)
	(15)/(38)/(39)	(16)/(17)/(18)	(19)/(21)/(22)	
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	0.003
Benzyl butyl phthalate (BBP)	N.D.	N.D.	N.D.	0.003
Diethyl hexyl phthalate (DEHP)	N.D.	N.D.	N.D.	0.003
Di-iso-nonyl phthalate (DINP)	N.D.	N.D.	N.D.	0.005
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	N.D.	0.003
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	N.D.	0.005
Di-n-hexyl phthalate (DnHP)	N.D.	N.D.	N.D.	0.003
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	0.003
Di-n-pentyl phthalate (DPENP)	N.D.	N.D.	N.D.	0.003
Dicyclohexyl phthalate (DCHP)	N.D.	N.D.	N.D.	0.003

Test Item	Result (%)			MDL (%)
	(23)/(24)/(25)	(26)/(27)/(28)	(29)/(30)/(31)	
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	0.003
Benzyl butyl phthalate (BBP)	N.D.	N.D.	N.D.	0.003
Diethyl hexyl phthalate (DEHP)	N.D.	N.D.	N.D.	0.003
Di-iso-nonyl phthalate (DINP)	N.D.	N.D.	N.D.	0.005
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	N.D.	0.003
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	N.D.	0.005
Di-n-hexyl phthalate (DnHP)	N.D.	N.D.	N.D.	0.003

Test Item	Result (%)			MDL (%)
	(23)/(24)/(25)	(26)/(27)/(28)	(29)/(30)/(31)	
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	0.003
Di-n-pentyl phthalate (DPENP)	N.D.	N.D.	N.D.	0.003
Dicyclohexyl phthalate (DCHP)	N.D.	N.D.	N.D.	0.003

Test Item	Result (%)			MDL (%)
	(32)/(33)/(34)	(35)	(36)	
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	0.003
Benzyl butyl phthalate (BBP)	N.D.	N.D.	N.D.	0.003
Diethyl hexyl phthalate (DEHP)	N.D.	N.D.	N.D.	0.003
Di-iso-nonyl phthalate (DINP)	N.D.	N.D.	N.D.	0.005
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	N.D.	0.003
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	N.D.	0.005
Di-n-hexyl phthalate (DnHP)	N.D.	N.D.	N.D.	0.003
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	0.003
Di-n-pentyl phthalate (DPENP)	N.D.	N.D.	N.D.	0.003
Dicyclohexyl phthalate (DCHP)	N.D.	N.D.	N.D.	0.003

Test Item	Result (%)	MDL (%)
	(37)	
Dibutyl phthalate (DBP)	N.D.	0.003
Benzyl butyl phthalate (BBP)	N.D.	0.003
Diethyl hexyl phthalate (DEHP)	N.D.	0.003
Di-iso-nonyl phthalate (DINP)	N.D.	0.005
Di-n-octyl Phthalate (DNOP)	N.D.	0.003
Diisodecyl Phthalate (DIDP)	N.D.	0.005
Di-n-hexyl phthalate (DnHP)	N.D.	0.003
Diisobutyl phthalate (DIBP)	N.D.	0.003
Di-n-pentyl phthalate (DPENP)	N.D.	0.003
Dicyclohexyl phthalate (DCHP)	N.D.	0.003

## Remark:

1. N.D. = Not Detected (below MDL)
2. MDL = Method Detection Limit
3. % = Percentage

---End of Report---