



# TEST REPORT

Test Report # 17W-000716-S2 Date of Report Issue: December 16, 2017  
Date of Sample Received: October 27, 2017 Pages: Page 1 of 10

## CLIENT INFORMATION:

Company: Spector & Co.  
+Address: -

## SAMPLE INFORMATION:

Description: PLASTIC BALL PEN  
Assortment: RED,GRN,BLU,BLK,ORG.  
Model/style No.: PENNE  
SKU No.: G1006XXX  
Factory/Supplier: USS049  
Quantity Submitted: 15 pcs  
Country of Distribution: Canada  
Country of Origin: China  
Testing Period: 10/27/2017-11/02/2017



## OVERALL RESULT:

PASS

Refer to page 2 for test result summary and appropriate notes.

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The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.  
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# TEST REPORT

Test Report # 17W-000716-S2 Date of Report Issue: December 16, 2017  
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## TEST RESULTS SUMMARY:

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	California Proposition 65, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	California Proposition 65, Total Cadmium in Paints and Surface Coatings
PASS	California Proposition 65, Total Cadmium in Substrate Materials
PASS	*Client's Requirement, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP, DNOP, DEP)

Remark: \*Revised information and supersedes the previous report no. 17W-000716-S1 date: 11/04/2017



**DETAILED RESULTS:****California Proposition 65, Total Lead in Paints and Surface Coatings**

Test Method: CPSC-CH-E-1003-09.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	---	---	---	---	90
<b>Conclusion</b>	PASS	---	---	---	---	

*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

*Remark:*

The specification is quoted from client's requirement.



**DETAILED RESULTS:****California Proposition 65, Total Lead in Substrate Materials**

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2+4+5	3	6+7+8	9+10+11	12+13+14	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	15+16+17	18+19	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	---	---	---	100
Conclusion	PASS	PASS	---	---	---	

**Note:**

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

**Remark:**

The specification is quoted from client's requirement.



**DETAILED RESULTS:****California Proposition 65, Total Cadmium in Paints and Surface Coatings**

Test Method: ASTM F963-16 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	---	---	---	---	75
<b>Conclusion</b>	PASS	---	---	---	---	

*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

*Remark:*

The specification is quoted from client's requirement.



**DETAILED RESULTS:****California Proposition 65, Total Cadmium in Substrate Materials**

Test Method: ASTM F963-16 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2+4+5	3	6+7+8	9+10+11	12+13+14	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	ND	ND	ND	ND	<b>75</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	15+16+17	18+19	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	ND	---	---	---	<b>75</b>
<b>Conclusion</b>	PASS	PASS	---	---	---	

*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

*Remark:*

The specification is quoted from client's requirement.



**DETAILED RESULTS:****\*Client's Requirement, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP, DNOP, DEP)**

Test Method: CPSC-CH-C1001-09.3

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	2+4+5	6+7+8	9+10+11	Limit ( mg/kg)
Test Item	CAS No.	Result ( mg/kg)	Result ( mg/kg)	Result ( mg/kg)	Result ( mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	117-84-0	ND	ND	ND	ND	1000
Diethyl phthalate (DEP)	84-66-2	ND	ND	ND	ND	1000
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

**Note:**

mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)

LT = Less than

ND = Not detected (Reporting Limit = 150 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

**Remark:**

The specification is quoted from client's requirement.



**DETAILED RESULTS:****\*Client's Requirement, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP, DNOP, DEP)**

Test Method: CPSC-CH-C1001-09.3

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.	12+13+14	15+16+17	18+19	---	Limit ( mg/kg)
Test Item CAS No.	Result ( mg/kg)	Result ( mg/kg)	Result ( mg/kg)	Result ( mg/kg)	
Dibutyl phthalate (DBP) 84-74-2	ND	ND	ND	---	1000
Benzyl butyl phthalate (BBP) 85-68-7	ND	ND	ND	---	1000
Di-(2-ethylhexyl) phthalate (DEHP) 117-81-7	ND	ND	ND	---	1000
Diisononyl phthalate (DINP) 28553-12-0 68515-48-0	ND	ND	ND	---	1000
Diisodecyl phthalate (DIDP) 26761-40-0 68515-49-1	ND	ND	ND	---	1000
Di-n-hexyl phthalate (DnHP) 84-75-3	ND	ND	ND	---	1000
Di-n-octyl phthalate (DNOP) 117-84-0	ND	ND	ND	---	1000
Diethyl phthalate (DEP) 84-66-2	ND	ND	ND	---	1000
<b>Conclusion</b>	PASS	PASS	PASS	---	

**Note:**

mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)

LT = Less than

ND = Not detected (Reporting Limit = 150 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

**Remark:**

The specification is quoted from client's requirement.





**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Silver coating	Top of pen body(all styles)
2	Light grey plastic	Top of pen body(all styles)
3	Silver metal	Spring(all styles)
4	White plastic	Inner(all styles)
5	Black plastic	Main body(black style)
6	Black soft plastic	Grip(black style)
7	Blue plastic	Main body(blue style)
8	Blue soft plastic	Grip(blue style)
9	Red plastic	Main body(red style)
10	Red soft plastic	Grip(red style)
11	Green plastic	Main body(green style)
12	Green soft plastic	Grip(green style)
13	Orange plastic	Main body(orange style)
14	Orange soft plastic	Grip(orange style)
15	Black plastic	Clip(black style)
16	Blue plastic	Clip(blue style)
17	Green plastic	Clip(green style)
18	Red plastic	Clip(red style)
19	Orange plastic	Clip(orange style)





**SAMPLE PHOTO:**



-End Report-

