

Test Report No.: 68.431.22.2679.01

Dated: 2022-05-19



Applicant : Spector & Co

Address : /

Sample Description : Plastic push-action ballpoint w/rubberized barrel&matte finish clip

Product Type / End Use : writing instrument

PO / Order No. : PO 72112

Item No. : G1254

Style No. : DONALD BALLPOINT

Supplier : USQ008

Country of Origin : China

Exported to : CANADA & U.S.A.

Test Sample Receipt Date, Location : 2022-05-17, Shenzhen

Test Period, Location : From 2022-05-17 to 2022-05-19, Shenzhen

Test Result(s) : Refer to Section 3

Laboratory:
TÜV SÜD Certification and Testing (China)
Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland
Business Park, Guankou Erlu, Nantou,
Nanshan District, Shenzhen,
Guangdong, China

Phone : +86 755 8828 6998
Fax: +86 755 8828 5299
E-mail: info@tuvsud.com
Web : <http://www.tuvsud.cn>

Regd. Office:
TÜV SÜD Certification and Testing (China)
Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland
Business Park, Guankou Erlu, Nantou,
Nanshan District, Shenzhen,
Guangdong, China



Purpose Of Examination / Conclusion:

No.	Test Item(s)	Conclusion
1.	US California Proposition 65 - Total Cadmium Content Test - Substrate Materials	Pass*
2.	US California Proposition 65 - Total Cadmium Content Test - Paint and Similar Surface-Coating Materials	Pass*
3.	US California Proposition 65 - Total Lead Content Test - Substrate Materials	Pass*
4.	US California Proposition 65 - Total Lead Content Test - Paint and Similar Surface-Coating Materials	Pass*
5.	Canadian Consumer Products Containing Lead Regulations SOR/2018-83 - Total Lead Content Test	Pass
6.	Canadian Surface Coating Materials Regulations SOR/2016-193 - Total Lead Content Test	Pass
7.	Phthalates Content (11P)	Pass*
8.	US California Proposition 65 - Phthalates Content (6P)	Pass*
9.	U.S. CFR Title 16 Part 1307 - Toys and Childcare Articles - Phthalates Content (8P)	Pass
10.	Tungsten Content Test	Report As Is
11.	Canadian Surface Coating Materials Regulations SOR/2016-193 - Total Mercury Content Test	Pass
12.	Nickel Content Test	Report As Is

Laboratory:

TÜV SÜD Certification and Testing (China)
Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland
Business Park, Guankou Erlu, Nantou,
Nanshan District, Shenzhen,
Guangdong, China

Phone : +86 755 8828 6998
Fax: +86 755 8828 5299
E-mail: info@tuvsud.com
Web : <http://www.tuvsud.cn>

Regd. Office:

TÜV SÜD Certification and Testing (China)
Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland
Business Park, Guankou Erlu, Nantou,
Nanshan District, Shenzhen,
Guangdong, China

Test Report No.: 68.431.22.2679.01

Dated: 2022-05-19



Remarks:

- (1) The results relate only to the items tested.
- (2) Samples are tested as received.
- (3) “**” denotes the conclusion was drawn according to the client's specification.
- (4) The test item and samples were specified by the client
- (5) "Pass" means the measured result is within a limit, even when extended by expanded uncertainty. "Fail" means the measured result is beyond a limit, even when extended by expanded uncertainty. "Inconclusive" means the measured result can be within or beyond a limit when extended by expanded uncertainty. The confidence level of the expanded uncertainty for "pass", "Fail" and "Inconclusive" is 95%.
- (6) “N.D.” denotes below the Reporting Limit

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
TÜV SÜD Group

Prepared by:

Eva Liang
Project Manager

Reviewed by:

Vincent Luo
Project Manager

Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4.

Laboratory:

TÜV SÜD Certification and Testing (China)
Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland
Business Park, Guankou Erlu, Nantou,
Nanshan District, Shenzhen,
Guangdong, China

Phone : +86 755 8828 6998
Fax: +86 755 8828 5299
E-mail: info@tuvsud.com
Web : <http://www.tuvsud.cn>


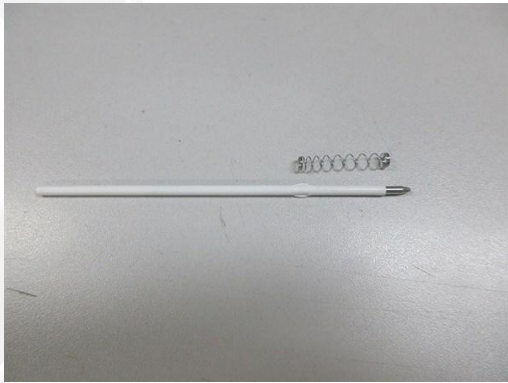
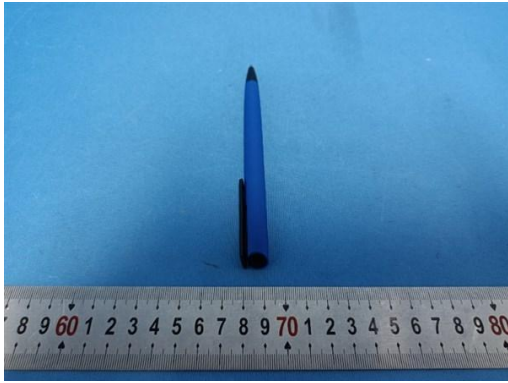
Regd. Office:


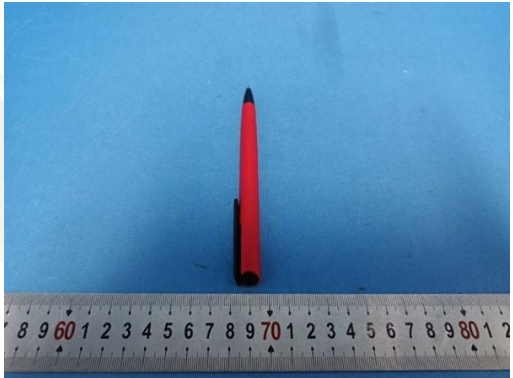
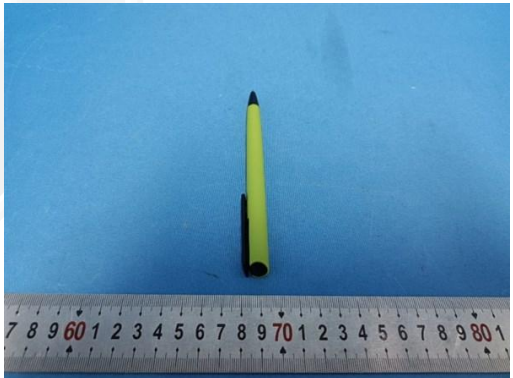
TÜV SÜD Certification and Testing (China)
Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland
Business Park, Guankou Erlu, Nantou,
Nanshan District, Shenzhen,
Guangdong, China

1. Description of the Test Sample:

Sample Description	Plastic push-action ballpoint w/rubberized barrel&matte finish clip
---------------------------	---

2. List of Materials as identified by the Laboratory:

T. No.	Sample No.	Colour and Description	Photograph
T1	001	Matt clear coating (On barrel of pen)	
T2	002	Matt black plastic (Barrel of pen)	
T3	003	Black plastic (Clip & collar of pen)	
T4	004	White plastic (Core in pen)	
T5	005	Blue ink (Pen ink)	
T6	006	Silvery metal (Tip of core)	
T7	007	Silvery metal (Ball of tip)	
T8	008	Silvery metal (Spring of core)	
T9	009	Blue plastic (Barrel of pen)	

T. No.	Sample No.	Colour and Description	Photograph
T10	010	Orange plastic (Barrel of pen)	
T11	011	Red plastic (Barrel of pen)	
T12	012	Green plastic (Barrel of pen)	



3. Test Result

3.1 US California Proposition 65 - Total Cadmium Content Test - Substrate Materials

Test method: Acid digestion/Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Sample No	CAS No.	Results [mg/kg]	Client's Specification [mg/kg]	Conclusion
002+003+004	7440-43-9	N.D.	<75	Pass
006	7440-43-9	N.D.	<75	Pass
007	7440-43-9	N.D.	<75	Pass
008	7440-43-9	N.D.	<75	Pass
009+010	7440-43-9	N.D.	<75	Pass
011+012	7440-43-9	N.D.	<75	Pass

Note 1. "mg/kg" denotes milligram per kilogram
 2. "<" denotes less than

3.2 US California Proposition 65 - Total Cadmium Content Test - Paint and Similar Surface-Coating Materials

Test method: Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Sample No	CAS No.	Results [mg/kg]	Client's Specification [mg/kg]	Conclusion
001	7440-43-9	N.D.	<75	Pass
005	7440-43-9	N.D.	<75	Pass

Note 1. "mg/kg" denotes milligram per kilogram
 2. "<" denotes less than

Laboratory:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Phone : +86 755 8828 6998
 Fax: +86 755 8828 5299
 E-mail: info@tuv sud.com
 Web : http://www.tuv sud.cn

Regd. Office:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China



3.3 US California Proposition 65 - Total Lead Content Test - Substrate Materials

Test method: Acid digestion or Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Sample No	CAS No.	Result [mg/kg]	Client's Specification [mg/kg]	Conclusion
002+003+004	7439-92-1	N.D.	<100	Pass
006	7439-92-1	N.D.	<100	Pass
007	7439-92-1	N.D.	<100	Pass
008	7439-92-1	N.D.	<100	Pass
009+010	7439-92-1	N.D.	<100	Pass
011+012	7439-92-1	N.D.	<100	Pass

Note 1. "mg/kg" denotes milligram per kilogram
 2. "<" denotes less than

3.4 US California Proposition 65 - Total Lead Content Test - Paint and Similar Surface-Coating Materials

Test method: Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Sample No	CAS No.	Result [mg/kg]	Client's Specification [mg/kg]	Conclusion
001	7439-92-1	N.D.	<90	Pass
005	7439-92-1	N.D.	<90	Pass

Note 1. "mg/kg" denotes milligram per kilogram
 2. "<" denotes less than



3.5 Total Lead Content Test

Consumer Products Containing Lead Regulations SOR/2018-83
 Acid digestion / Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Sample No	CAS No.	Result [mg/kg]	Limit [mg/kg]	Conclusion
001	7439-92-1	N.D.	<90	Pass
002+003+004	7439-92-1	N.D.	<90	Pass
005	7439-92-1	N.D.	<90	Pass
006	7439-92-1	N.D.	<90	Pass
007	7439-92-1	N.D.	<90	Pass
008	7439-92-1	N.D.	<90	Pass
009+010	7439-92-1	N.D.	<90	Pass
011+012	7439-92-1	N.D.	<90	Pass

Note 1. "mg/kg" denotes milligram per kilogram
 2. "<" denotes less than

3.6 Total Lead Content Test

Surface Coating Materials Regulations SOR/2016-193
 Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Sample No	CAS No.	Result [mg/kg]	Limit [mg/kg]	Conclusion
001	7439-92-1	N.D.	<90	Pass
005	7439-92-1	N.D.	<90	Pass

Note 1. "mg/kg" denotes milligram per kilogram
 2. "<" denotes less than



3.7 Phthalates Content (11P)

Test method: In-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.005%]

Phthalates	CAS No.	Results [%]			Client's Specification [%]
		Sample 001	Sample 002+003 +004	Sample 005	
DEHP, Di-(2-ethylhexyl)-phthalat	117-81-7	N.D.	N.D.	N.D.	<0.1
DBP, Dibutylbenzylphthalat	84-74-2	N.D.	N.D.	N.D.	<0.1
DEP, Diethyl phthalate	84-66-2	N.D.	N.D.	N.D.	<0.1
BBP, Butylbenzylphthalat	85-68-7	N.D.	N.D.	N.D.	<0.1
DIBP, Di-iso-butylphthalat	84-69-5	N.D.	N.D.	N.D.	<0.1
DINP, Di-isononyl phthalate	28553-12-0 , 68515-48-0	N.D.	N.D.	N.D.	<0.1
DIDP, Di-isodecylphthalat	26761-40-0 , 68515-49-1	N.D.	N.D.	N.D.	<0.1
DNOP, Di-n-octylphthalat	117-84-0	N.D.	N.D.	N.D.	<0.1
DnHP, Di-n-hexyl phthalate	84-75-3	N.D.	N.D.	N.D.	<0.1
DCHP, Dicyclohexyl phthalate	84-61-7	N.D.	N.D.	N.D.	<0.1
DNPP, Di-n-pentylphthalat	131-18-0	N.D.	N.D.	N.D.	<0.1
Conclusion		Pass	Pass	Pass	-

- Note 1. "<" denotes less than
 2. "%" denotes percentage by weight .



3.7 Phthalates Content (11P)

Test method: In-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.005%]

Phthalates	CAS No.	Results [%]		Client's Specification [%]
		Sample 009+010	Sample 011+012	
DEHP, Di-(2-ethylhexyl)-phthalat	117-81-7	N.D.	N.D.	<0.1
DBP, Dibutylbenzylphthalat	84-74-2	N.D.	N.D.	<0.1
DEP, Diethyl phthalate	84-66-2	N.D.	N.D.	<0.1
BBP, Butylbenzylphthalat	85-68-7	N.D.	N.D.	<0.1
DIBP, Di-iso-butylphthalat	84-69-5	N.D.	N.D.	<0.1
DINP, Di-isononyl phthalate	28553-12-0 , 68515-48-0	N.D.	N.D.	<0.1
DIDP, Di-isodecylphthalat	26761-40-0 , 68515-49-1	N.D.	N.D.	<0.1
DNOP, Di-n-octylphthalat	117-84-0	N.D.	N.D.	<0.1
DnHP, Di-n-hexyl phthalate	84-75-3	N.D.	N.D.	<0.1
DCHP, Dicyclohexyl phthalate	84-61-7	N.D.	N.D.	<0.1
DNPP, Di-n-pentylphthalat	131-18-0	N.D.	N.D.	<0.1
Conclusion		Pass	Pass	-

Note 1. "<" denotes less than

2. "%" denotes percentage by weight .

Laboratory:

TÜV SÜD Certification and Testing (China)
Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland
Business Park, Guankou Erlu, Nantou,
Nanshan District, Shenzhen,
Guangdong, China

Phone : +86 755 8828 6998
Fax: +86 755 8828 5299
E-mail: info@tuvsud.com
Web : http://www.tuvsud.cn

Regd. Office:

TÜV SÜD Certification and Testing (China)
Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland
Business Park, Guankou Erlu, Nantou,
Nanshan District, Shenzhen,
Guangdong, China

3.8 US California Proposition 65 - Phthalates Content (6P)

Test method: In-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.005%]

Phthalates	CAS No.	Results [% w/w]			Client's Specification [% w/w]
		Sample 001	Sample 002+003+004	Sample 005	
Dibutyl phthalate, (DBP)	84-74-2	N.D.	N.D.	N.D.	<0.1
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	N.D.	N.D.	N.D.	<0.1
Benzyl butyl phthalate, (BBP)	85-68-7	N.D.	N.D.	N.D.	<0.1
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	N.D.	N.D.	N.D.	<0.1
Di-n-hexyl phthalate (DNHP)	84-75-3	N.D.	N.D.	N.D.	<0.1
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	N.D.	N.D.	N.D.	<0.1
Conclusion		Pass	Pass	Pass	-

Phthalates	CAS No.	Results [% w/w]		Client's Specification [% w/w]
		Sample 009+010	Sample 011+012	
Dibutyl phthalate, (DBP)	84-74-2	N.D.	N.D.	<0.1
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	N.D.	N.D.	<0.1
Benzyl butyl phthalate, (BBP)	85-68-7	N.D.	N.D.	<0.1
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	N.D.	N.D.	<0.1
Di-n-hexyl phthalate (DNHP)	84-75-3	N.D.	N.D.	<0.1
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	N.D.	N.D.	<0.1
Conclusion		Pass	Pass	-

Note 1. "<" denotes less than

2. "%" denotes percentage by weight

Laboratory:

TÜV SÜD Certification and Testing (China)
Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland
Business Park, Guankou Erlu, Nantou,
Nanshan District, Shenzhen,
Guangdong, China

Phone : +86 755 8828 6998
Fax: +86 755 8828 5299
E-mail: info@tuvsud.com
Web : http://www.tuvsud.cn

Regd. Office:

TÜV SÜD Certification and Testing (China)
Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland
Business Park, Guankou Erlu, Nantou,
Nanshan District, Shenzhen,
Guangdong, China

3.9 U.S. CFR Title 16 Part 1307 - Toys and Childcare Articles - Phthalates Content (8P)
 CPSC-CH-C1001-09.4 – Standard Operating Procedure for Determination of Phthalates
 [Reporting Limit = 0.005%]

Phthalates	CAS No.	Results [%]			Limit [%]
		Sample 001	Sample 002+003+004	Sample 005	
Dibutyl phthalate, (DBP)	84-74-2	N.D.	N.D.	N.D.	<0.1
Benzyl butyl phthalate, (BBP)	85-68-7	N.D.	N.D.	N.D.	<0.1
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	N.D.	N.D.	N.D.	<0.1
Diisobutylphthalate, (DIBP)	84-69-5	N.D.	N.D.	N.D.	<0.1
Di-n-hexyl phthalate (DHEXP)	84-75-3	N.D.	N.D.	N.D.	<0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	N.D.	N.D.	N.D.	<0.1
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	N.D.	N.D.	N.D.	<0.1
Di-n-pentyl phthalates (DPENP)	131-18-0	N.D.	N.D.	N.D.	<0.1
Conclusion		Pass	Pass	Pass	-

Phthalates	CAS No.	Results [%]		Limit [%]
		Sample 009+010	Sample 011+012	
Dibutyl phthalate, (DBP)	84-74-2	N.D.	N.D.	<0.1
Benzyl butyl phthalate, (BBP)	85-68-7	N.D.	N.D.	<0.1
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	N.D.	N.D.	<0.1
Diisobutylphthalate, (DIBP)	84-69-5	N.D.	N.D.	<0.1
Di-n-hexyl phthalate (DHEXP)	84-75-3	N.D.	N.D.	<0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	N.D.	N.D.	<0.1
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	N.D.	N.D.	<0.1
Di-n-pentyl phthalates (DPENP)	131-18-0	N.D.	N.D.	<0.1
Conclusion		Pass	Pass	-

- Note 1. "<" denotes less than
 2. "%" denotes percentage by weight.



3.10 Tungsten Content Test

Test method: EPA 3050B:1996, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Test Item	Results [mg/kg]	Client's Specification [mg/kg]
	Sample 008	
Tungsten	N.D.	-
Conclusion	Report As Is	-

Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than

3.11 Total Mercury Content Test

Surface Coating Materials Regulations SOR/2016-193
 Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Test Item	Results [mg/kg]		Limit [mg/kg]
	Sample 001	Sample 005	
Mercury	N.D.	N.D.	<10
Conclusion	Pass	Pass	-

Note 1. "mg/kg" denotes milligram per kilogram

2. "<" denotes less than

Laboratory:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Phone : +86 755 8828 6998
 Fax: +86 755 8828 5299
 E-mail: info@tuvsud.com
 Web : http://www.tuvsud.cn

Regd. Office:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China



3.12 Nickel Content Test

Test method: Acid digestion and analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 5.0mg/kg]

Test Item	Results [mg/kg]			Client's Specification [mg/kg]
	Sample 006	Sample 007	Sample 008	
Nickel	40.642	1739.332	86.762	-
Conclusion	Report As Is	Report As Is	Report As Is	-

Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than

-- END OF TEST REPORT--



Laboratory:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Phone : +86 755 8828 6998
 Fax: +86 755 8828 5299
 E-mail: info@tuvsud.com
 Web : http://www.tuvsud.cn

Regd. Office:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China