



中国认可
国际互认
检测
TESTING
CNAS L4549

Test Report

Report No.: JC-RCPC260198-2

For RoHS Directive 2011/65/EU Annex II & (EU) 2015/863

Applicant: Shenzhen Cheerplus Electronics Co., Ltd.

Manufacturer: Shenzhen Cheerplus Electronics Co., Ltd.

Sample Name: Disposable vape

Brand: CHEERPLUS

Model: G09

Date of Issuance: May 07, 2026

Skyte Testing Services Guangdong Co., Ltd.



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Report Date: May 07, 2026

Applicant Name: Shenzhen Cheerplus Electronics Co., Ltd.
 Applicant Add.: C14-4, Fuyuan Industrial, No. 598, Zhoushi Road, Jiuwei Community, Hangcheng Street, Bao'an, Shenzhen, Guangdong, China
 Manufacturer: Shenzhen Cheerplus Electronics Co., Ltd.
 Manufacturer Add.: C14-4, Fuyuan Industrial, No. 598, Zhoushi Road, Jiuwei Community, Hangcheng Street, Bao'an, Shenzhen, Guangdong, China

Test samples were submitted by the applicant, report on the submitted samples said to be:

Sample Name: Disposable vape
 Brand: CHEERPLUS
 Model: G09
 Input Voltage: 5 V
 Input Power: 3 W
 Output Current: 4.2 A
 Input Frequency: /
 Input Current: 0.6 A
 Output Voltage: 3.2 V

Sample Received Date: Apr. 22, 2026
 Testing Period: Apr. 22, 2026 to May 07, 2026

Tests Conducted: As requested by the applicant. See the following pages for details.

Signed for and on behalf of
 Skyte Testing Services Guangdong Co., Ltd.



Vanessa Huang / Technical Director
 Approved Signatory

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Test Requirement and Conclusion:

Test Items	Standard	Conclusion
Pb, Cd, Hg, Cr ⁶⁺ , DBP, BBP, DEHP, DIBP, PBBs, PBDEs	EU RoHS <i>Directive 2011/65/EU Annex II & (EU) 2015/863</i>	See test results

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Test Methods

Test Items	Test Methods	Test Instruments
Cd, Pb, Hg, Cr, Br	IEC 62321-3-1:2013	XRF
Pb	IEC 62321-5:2013	ICP-OES
Cr ⁶⁺	IEC 62321-7-1:2015 / IEC 62321-7-2:2017	UV-Vis
PBBs, PBDEs	IEC 62321-6:2015	GC-MS
DBP, BBP, DEHP, DIBP	IEC 62321-8:2017	GC-MS

Test Component Descriptions:

Test Component No.	Descriptions
1	Black plastic (base)
2	Black plastic (mouthpiece)
3	Black plastic
4	Transparent plastic (shell)
5	Transparent plastic (tank)
6	Black plastic (air regulating parts)
7	Black plastic (heating coil base)
8	White plastic (display screen frame)
9	White soft silicone (upper rubber stopper)
10	White soft silicone (bottom rubber stopper)
11	Black soft silicone (mouthpiece plug)
12	Black soft plastic (base silicone)
13	White soft silicone (e-cigarette controller silicone)
14	White cotton (e-liquid storage cotton)
15	White cotton (e-liquid guide cotton)
16	White cotton (e-liquid separate cotton)
17	White plastic (fiberglass tube)
18	Black cotton with viscose (battery site)
19	Blue color / orange color / light blue color plastic with viscose (shell patch)
20	Black and white plastic with viscose (display patch)
21	Red gasket with viscose (battery site)
22	Green gasket with viscose (battery site)
23	Red plastic with viscose (battery site)

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Test Component No.	Descriptions
24	Yellow plastic with viscose (battery site)
25	Black plastic with viscose (battery site)
26	Blue plastic (wire sheath)
27	Red plastic (wire sheath)
28	Black plastic (wire sheath)
29	Circuit board with various components (PCB)
30	LED lamp circuit boards with various components (display screen)
31	Grey plastic with silvery metal (USB)
32	Silvery metal (shell)
33	Silvery metal (USB)
34	Silvery metal (heating coil)
35	Silvery metal (electric wire)
36	Silvery metal (heating coil bracket)
37	Silvery metal (e-cigarette controller)
38	Silvery metal (screw)

Test Results

Test Items	Test Component No. & Test Results									
	1	2	3	4	5	6	7	8	9	10
Cadmium (Cd)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Lead (Pb)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Chromium (VI) (Cr ⁶⁺)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Polybrominated Biphenyls (PBBs)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Polybrominated Diphenyl Ethers (PBDEs)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzyl butyl phthalate (BBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Diethyl hexyl phthalate (DEHP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Di-iso-butyl ortho-phthalate (DIBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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Test Items	Test Component No. & Test Results									
	11	12	13	14	15	16	17	18	19	20
Cadmium (Cd)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Lead (Pb)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Chromium (VI) (Cr ⁶⁺)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Polybrominated Biphenyls (PBBs)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Polybrominated Diphenyl Ethers (PBDEs)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzyl butyl phthalate (BBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Diethyl hexyl phthalate (DEHP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Di-iso-butyl ortho-phthalate (DIBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Test Items	Test Component No. & Test Results									
	21	22	23	24	25	26	27	28	29	
Cadmium (Cd)	BL	BL	BL	BL	BL	BL	BL	BL	BL	
Lead (Pb)	BL	BL	BL	BL	BL	BL	BL	BL	BL	
Mercury (Hg)	BL	BL	BL	BL	BL	BL	BL	BL	BL	
Chromium (VI) (Cr ⁶⁺)	BL	BL	BL	N.D.	BL	BL	BL	BL	BL	
Polybrominated Biphenyls (PBBs)	BL	BL	BL	BL	BL	BL	BL	BL	N.D.	
Polybrominated Diphenyl Ethers (PBDEs)	BL	BL	BL	BL	BL	BL	BL	BL	N.D.	
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
Benzyl butyl phthalate (BBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
Diethyl hexyl phthalate (DEHP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
Di-iso-butyl ortho-phthalate (DIBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	

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Test Items	Test Component No. & Test Results								
	30	31	32	33	34	35	36	37	38
Cadmium (Cd)	BL	BL	BL	BL	BL	BL	BL	BL	BL
Lead (Pb)	BL	BL	BL	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL	BL	BL	BL
Chromium (VI) (Cr ⁶⁺)	BL	BL	N.D.	N.D.	BL	BL	N.D.	BL	N.D.
Polybrominated Biphenyls (PBBs)	N.D.	BL	—	—	—	—	—	—	—
Polybrominated Diphenyl Ethers (PBDEs)	N.D.	BL	—	—	—	—	—	—	—
Dibutyl phthalate (DBP)	N.D.	N.D.	—	—	—	—	—	—	—
Benzyl butyl phthalate (BBP)	N.D.	N.D.	—	—	—	—	—	—	—
Diethyl hexyl phthalate (DEHP)	N.D.	N.D.	—	—	—	—	—	—	—
Di-iso-butyl ortho-phthalate (DIBP)	N.D.	N.D.	—	—	—	—	—	—	—

Tested by: Rong Chuxian, Yin Yuanyue

Checked by: Zheng Caiju, Huang Xiangwei

Remarks:

- (1) Interpretation of screening results by X-ray fluorescence spectrometry (XRF)
 - a. XRF results for the total Br when testing PBBs / PBDEs and for the total Cr when testing six prices.
 - b. Results of initial screening by XRF and further chemical testing by ICP-OES Cr⁶⁺ by XRF. If concentrations exceed the following warning values, perform ICP-OES tests Pb, Cd, and Hg, UV-Vis tests Cr⁶⁺ and GC-MS tests (PBBs, PBDEs); Reference Standard IEC 62321-3-1:2013 (Unit: mg /kg)

Element	Polymer	Metal	Composite material
Cd	BL \leq (70-3 σ) < X < (130+3 σ) \leq OL	BL \leq (70-3 σ) < X < (70+3 σ) \leq OL	LOD < X < (150+3 σ) \leq OL
Pb	BL \leq (700-3 σ) < X < (1300+3 σ)	BL \leq (700-3 σ) < X < (1300+3 σ)	BL \leq (500-3 σ) < X < (1500+3 σ)
Hg	BL \leq (700-3 σ) < X < (1300+3 σ)	BL \leq (700-3 σ) < X < (1300+3 σ)	BL \leq (500-3 σ) < X < (1500+3 σ)
Cr	BL \leq (700-3 σ) < X	BL \leq (700-3 σ) < X	BL \leq (500-3 σ) < X
Br	BL \leq (300-3 σ) < X	Not applicable	BL \leq (250-3 σ) < X

- c. The XRF screening test — reading for the RoHS element may be inconsistent with the actual content in the sample due to sample inhomogeneity composition.
- d. OL = out of the limit, BL = below the limit, LOD = detection limit, 3 σ = indicates the reproducibility of the analytical instrument.

- (2) Interpretation of results by chemical tests:

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a. mg/kg = parts per million = 0.0001%; MDL = method detection limit; N.D. = not detected, less than MDL;
— = Not Applicable.

b. Method detection limit for chemical test

Test Items	Pb	Cd	Hg	PBBs	PBDEs	DBP	BBP	DEHP	DIBP
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
MDL	2	2	2	5	5	50	50	50	50

MDL of Cr⁶⁺ for polymer, composite and leather sample is 1 mg/kg. MDL of Cr⁶⁺ for metal sample is 0.10 µg/cm².

c. Metal sample

(a) The sample is positive for Cr⁶⁺ if the Cr⁶⁺ concentration is greater than 0.13 µg/cm². The sample coating is considered to contain Cr⁶⁺.

(b) The sample is negative for Cr⁶⁺ if Cr⁶⁺ is ND (concentration less than 0.10 µg/cm²). The coating is considered a non-Cr⁶⁺ based coating.

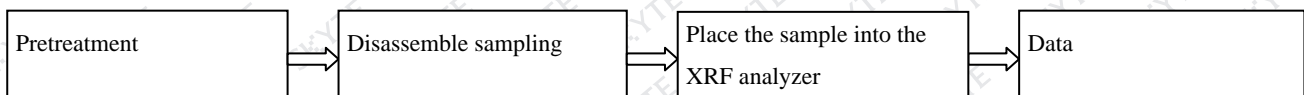
Information on storage conditions and production date of the tested sample is unavailable and thus Cr⁶⁺ results represent status of the sample at the time of testing.

(c) The result between 0.10 µg/cm² and 0.13 µg/cm² is considered to be inconclusive- unavoidable coating variations may influence the determination.

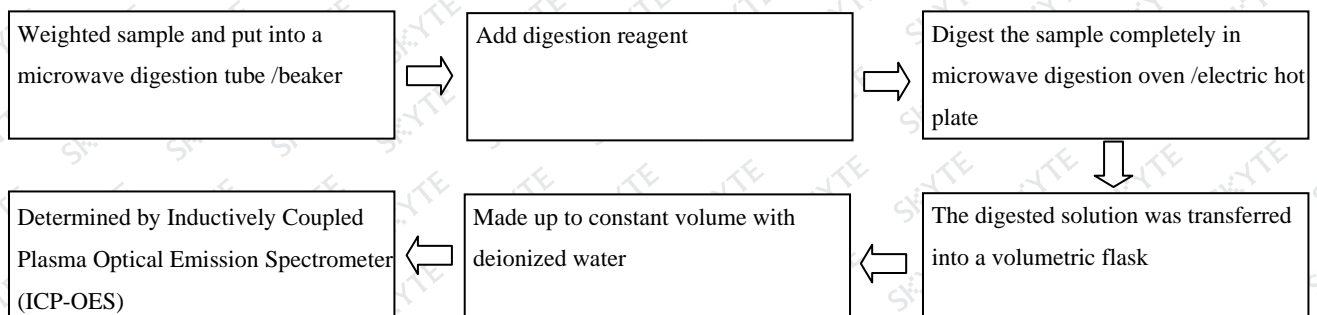
(3) Restricted substances and maximum concentration values tolerated by weight in homogeneous materials under RoHS Directive: Cd: 0.01%, Pb/Hg/ Cr⁶⁺/PBBs/PBDEs/DEHP/DBP/BBP/DIBP: 0.1%. The limit is quoted from RoHS Directive (EU) 2015/863.

Test Flowchart

1. Test for Pb / Cd / Cr / Hg / PBBs / PBDEs



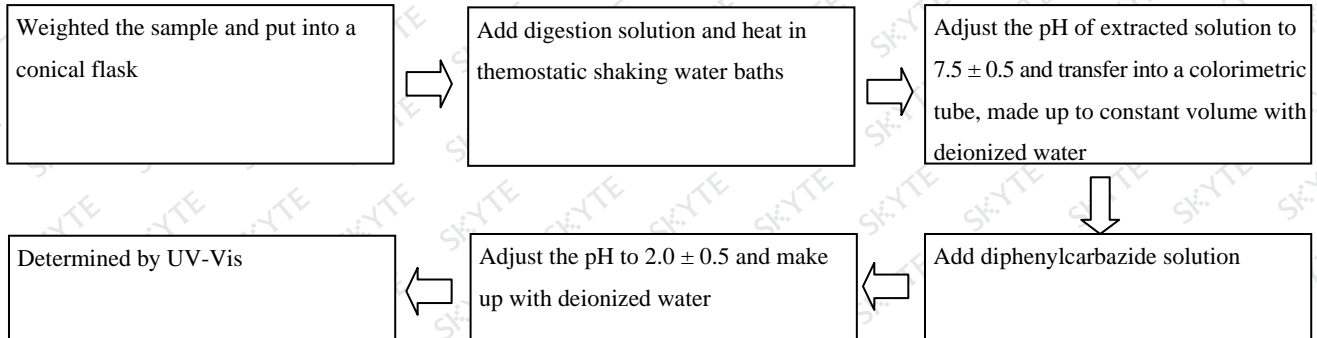
2. Test for Cd / Pb / Hg contents



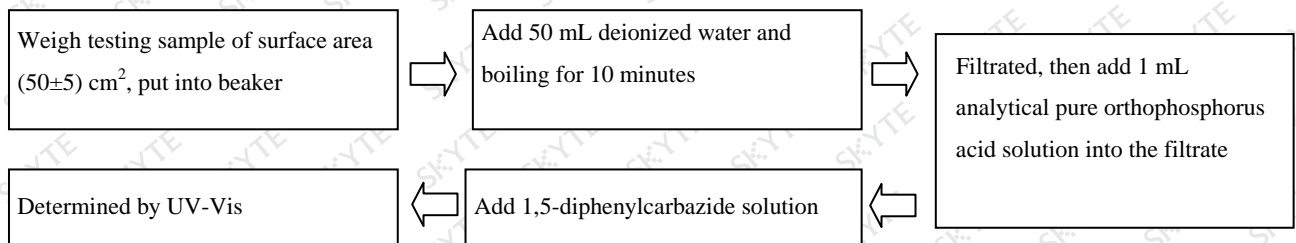
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3. Test for Cr⁶⁺ content

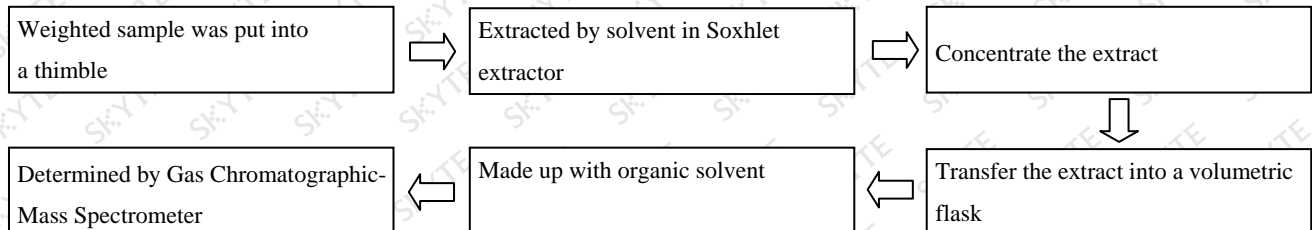
3.1 Determination of Cr⁶⁺ in polymers and electronics by the colorimetric method



3.2 Determination of Cr⁶⁺ in colourless and coloured corrosion-protected coatings on metals by the colorimetric method



4. Test for PBBs / PBDEs, DBP, BBP, DEHP, DIBP contents



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Sample Photos



Test Component No.1: Black plastic (base)

Test Component No.2: Black plastic (mouthpiece)

Test Component No.3: Black plastic

Test Component No.4: Transparent plastic (shell)

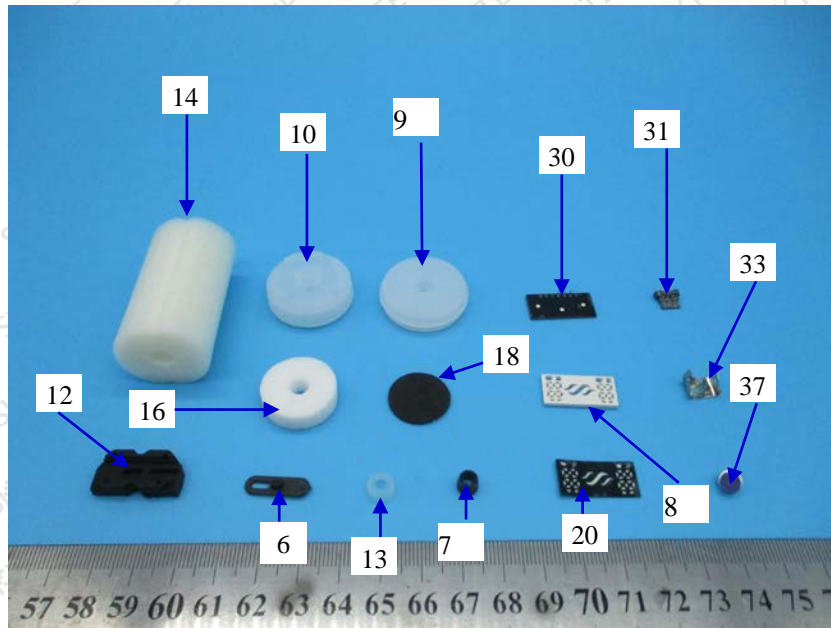
Test Component No.5: Transparent plastic (tank)

Test Component No.11: Black soft silicone (mouthpiece plug)

Test Component No.19: Blue color / orange color / light blue color plastic with viscose (shell patch)

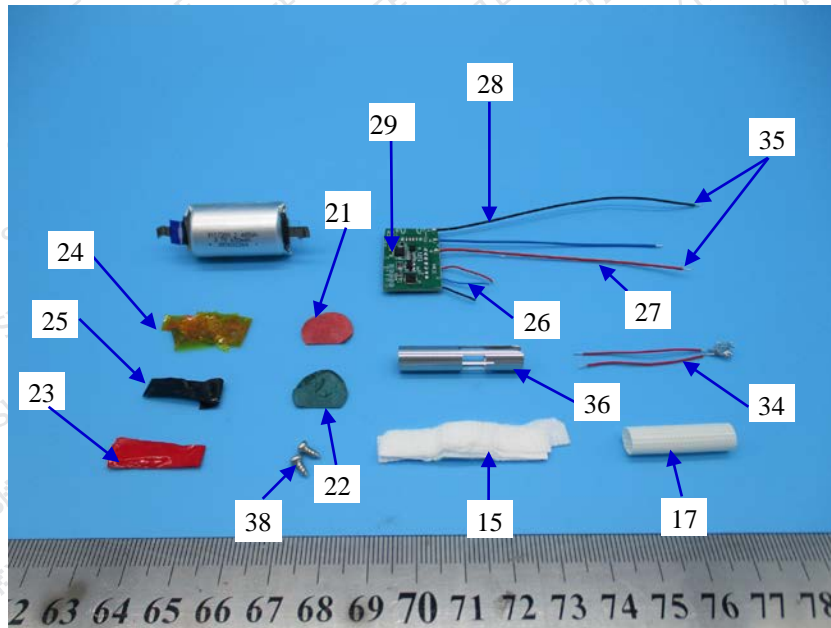
Test Component No.32: Silvery metal (shell)

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- Test Component No.6: Black plastic (air regulating parts)
- Test Component No.7: Black plastic (heating coil base)
- Test Component No.8: White plastic (display screen frame)
- Test Component No.9: White soft silicone (upper rubber stopper)
- Test Component No.10: White soft silicone (bottom rubber stopper)
- Test Component No.12: Black soft plastic (base silicone)
- Test Component No.13: White soft silicone (e-cigarette controller silicone)
- Test Component No.14: White cotton (e-liquid storage cotton)
- Test Component No.16: White cotton (e-liquid separate cotton)
- Test Component No.18: Black cotton with viscose (battery site)
- Test Component No.20: Black and white plastic with viscose (display patch)
- Test Component No.30: LED lamp circuit boards with various components (display screen)
- Test Component No.31: Grey plastic with silvery metal (USB)
- Test Component No.33: Silvery metal (USB)
- Test Component No.37: Silvery metal (e-cigarette controller)

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- Test Component No.15: White cotton (e-liquid guide cotton)
- Test Component No.17: White plastic (fiberglass tube)
- Test Component No.21: Red gasket with viscose (battery site)
- Test Component No.22: Green gasket with viscose (battery site)
- Test Component No.23: Red plastic with viscose (battery site)
- Test Component No.24: Yellow plastic with viscose (battery site)
- Test Component No.25: Black plastic with viscose (battery site)
- Test Component No.26: Blue plastic (wire sheath)
- Test Component No.27: Red plastic (wire sheath)
- Test Component No.28: Black plastic (wire sheath)
- Test Component No.29: Circuit board with various components (PCB)
- Test Component No.34: Silvery metal (heating coil)
- Test Component No.35: Silvery metal (electric wire)
- Test Component No.36: Silvery metal (heating coil bracket)
- Test Component No.38: Silvery metal (screw)

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Finished Product

(End of report)

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