



中国认可  
国际互认  
检测  
TESTING  
CNAS L4549

# Test Report

Report No.: JC-RCPC230451

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

**Applicant:** Dongguan Mysmok Electronic Technology Co., Ltd

**Manufacturer:** Dongguan Mysmok Electronic Technology Co., Ltd

**Name of Sample:** Disposable E-cigarette

**Brand:** ALMAZAJ

**Model:** TITAN 3500

**Date of Issuance:** Jul. 05, 2023

**Skyte Testing Services Guangdong Co., Ltd.**



# Test Report



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检测  
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CNAS L4549

Report No.: JC-RCPC230451

Report Date: Jul. 05, 2023

Applicant Name: Dongguan Mysmok Electronic Technology Co., Ltd  
Applicant Add.: 3F, Building A, NO.107, Qingyu Road, Qingxi Town, Dongguan City, Guangdong.  
Manufacturer : Dongguan Mysmok Electronic Technology Co., Ltd  
Manufacturer Add.: 3F, Building A, NO.107, Qingyu Road, Qingxi Town, Dongguan City, Guangdong.

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

Sample Name: Disposable E-cigarette  
Nicotine Conc.: 2%  
Brand: ALMAZAJ  
Model: TITAN 3500

Sample Received Date: Jun. 30, 2023  
Testing Period: Jun. 30, 2023 to Jul. 05, 2023

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

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



*Vanessa Huang*  
Vanessa Huang/Technical Director  
CNAS Approved Signatory

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Skyte Testing Services Guangdong Co., Ltd.  
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## Test Requirement and Conclusion:

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

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Hot Line: 400-6898-200

## Test Results

Test Items	Test Component No. & Test Results (mg/kg)				MDL (mg/kg)	Limits <sup>#1</sup> (mg/kg)
	(1+5)*	(2+3+4)*	(6+7+8+9)*	10		
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	2	100
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	2	1000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	2	1000
Chromium (VI) (Cr <sup>6+</sup> )	N.D.	N.D.	N.D.	N.D.	1	1000
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	50	1000
Benzyl butyl phthalate (BBP)	N.D.	N.D.	N.D.	N.D.	50	1000
Diethyl hexyl phthalate (DEHP)	N.D.	N.D.	N.D.	N.D.	50	1000
Di-iso-butyl ortho-phthalate (DIBP)	N.D.	N.D.	N.D.	N.D.	50	1000
Sum of Polybrominated Biphenyls (PBBs)	N.D.	N.D.	N.D.	N.D.	—	1000
Monobromobiphenyl (MonoBB)	N.D.	N.D.	N.D.	N.D.	5	—
Dibromobiphenyl (DiBB)	N.D.	N.D.	N.D.	N.D.	5	—
Tribromobiphenyl (TriBB)	N.D.	N.D.	N.D.	N.D.	5	—
Tetrabromobiphenyl (TetraBB)	N.D.	N.D.	N.D.	N.D.	5	—
Pentabromobiphenyl (PentaBB)	N.D.	N.D.	N.D.	N.D.	5	—
Hexabromobiphenyl (HexaBB)	N.D.	N.D.	N.D.	N.D.	5	—
Heptabromobiphenyl (HeptaBB)	N.D.	N.D.	N.D.	N.D.	5	—
Octabromobiphenyl (OctaBB)	N.D.	N.D.	N.D.	N.D.	5	—
Nonabromobiphenyl (NonaBB)	N.D.	N.D.	N.D.	N.D.	5	—
Decabromobiphenyl (DecaBB)	N.D.	N.D.	N.D.	N.D.	5	—
Sum of Polybrominated Diphenyl Ethers (PBDEs)	N.D.	N.D.	N.D.	N.D.	—	1000
Monobromodiphenyl Ether (MonoBDE)	N.D.	N.D.	N.D.	N.D.	5	—
Dibromodiphenyl Ether (DiBDE)	N.D.	N.D.	N.D.	N.D.	5	—
Tribromodiphenyl Ether (TriBDE)	N.D.	N.D.	N.D.	N.D.	5	—
Tetrabromodiphenyl Ether (TetraBDE)	N.D.	N.D.	N.D.	N.D.	5	—
Pentabromodiphenyl Ether (PentaBDE)	N.D.	N.D.	N.D.	N.D.	5	—
Hexabromodiphenyl Ether (HexaBDE)	N.D.	N.D.	N.D.	N.D.	5	—
Heptabromodiphenyl Ether (HeptaBDE)	N.D.	N.D.	N.D.	N.D.	5	—
Octabromodiphenyl Ether (OctaBDE)	N.D.	N.D.	N.D.	N.D.	5	—
Nonabromodiphenyl Ether (NonaBDE)	N.D.	N.D.	N.D.	N.D.	5	—
Decabromodiphenyl Ether (DecaBDE)	N.D.	N.D.	N.D.	N.D.	5	—

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Test Items	Test Component No. & Test Results (mg/kg)			MDL (mg/kg)	Limits <sup>#1</sup> (mg/kg)
	(11+12+13+14)*	(15+16+17)*	18		
Cadmium (Cd)	N.D.	N.D.	N.D.	2	100
Lead (Pb)	N.D.	N.D.	N.D.	2	1000
Mercury (Hg)	N.D.	N.D.	N.D.	2	1000
Chromium (VI) (Cr <sup>6+</sup> )	N.D.	N.D.	N.D.	1	1000
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	50	1000
Benzyl butyl phthalate (BBP)	N.D.	N.D.	N.D.	50	1000
Diethyl hexyl phthalate (DEHP)	N.D.	N.D.	N.D.	50	1000
Di-iso-butyl ortho-phthalate (DIBP)	N.D.	N.D.	N.D.	50	1000
Sum of Polybrominated Biphenyls (PBBs)	N.D.	N.D.	N.D.	—	1000
Monobromobiphenyl (MonoBB)	N.D.	N.D.	N.D.	5	—
Dibromobiphenyl (DiBB)	N.D.	N.D.	N.D.	5	—
Tribromobiphenyl (TriBB)	N.D.	N.D.	N.D.	5	—
Tetrabromobiphenyl (TetraBB)	N.D.	N.D.	N.D.	5	—
Pentabromobiphenyl (PentaBB)	N.D.	N.D.	N.D.	5	—
Hexabromobiphenyl (HexaBB)	N.D.	N.D.	N.D.	5	—
Heptabromobiphenyl (HeptaBB)	N.D.	N.D.	N.D.	5	—
Octabromobiphenyl (OctaBB)	N.D.	N.D.	N.D.	5	—
Nonabromobiphenyl (NonaBB)	N.D.	N.D.	N.D.	5	—
Decabromobiphenyl (DecaBB)	N.D.	N.D.	N.D.	5	—
Sum of Polybrominated Diphenyl Ethers (PBDEs)	N.D.	N.D.	N.D.	—	1000
Monobromodiphenyl Ether (MonoBDE)	N.D.	N.D.	N.D.	5	—
Dibromodiphenyl Ether (DiBDE)	N.D.	N.D.	N.D.	5	—
Tribromodiphenyl Ether (TriBDE)	N.D.	N.D.	N.D.	5	—
Tetrabromodiphenyl Ether (TetraBDE)	N.D.	N.D.	N.D.	5	—
Pentabromodiphenyl Ether (PentaBDE)	N.D.	N.D.	N.D.	5	—
Hexabromodiphenyl Ether (HexaBDE)	N.D.	N.D.	N.D.	5	—
Heptabromodiphenyl Ether (HeptaBDE)	N.D.	N.D.	N.D.	5	—
Octabromodiphenyl Ether (OctaBDE)	N.D.	N.D.	N.D.	5	—
Nonabromodiphenyl Ether (NonaBDE)	N.D.	N.D.	N.D.	5	—
Decabromodiphenyl Ether (DecaBDE)	N.D.	N.D.	N.D.	5	—

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Test Items	Test Component No. & Test Results				MDL	Limits	Unit
	19	20	21	22			
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	2	100	mg/kg
Lead (Pb)	20	369	59	38	2	1000	mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	2	1000	mg/kg
Chromium (VI) (Cr <sup>6+</sup> )	Negative <sup>#2</sup>	Negative <sup>#2</sup>	Negative <sup>#2</sup>	Negative <sup>#2</sup>	0.10	1000	µg/cm <sup>2</sup>

Test Items	Test Component No. & Test Results				MDL	Limits	Unit
	23	24	25	26			
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	2	100	mg/kg
Lead (Pb)	45	30	32	N.D.	2	1000	mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	2	1000	mg/kg
Chromium (VI) (Cr <sup>6+</sup> )	Negative <sup>#2</sup>	Negative <sup>#2</sup>	Negative <sup>#2</sup>	Negative <sup>#2</sup>	0.10	1000	µg/cm <sup>2</sup>

Tested by: Xu Guichun, Chen Junlong

Checked by: Ruan Jie, Su Weili

**Remarks:**

- (1) mg/kg = milligram per kilogram
- (2) µg/cm<sup>2</sup> = micrograms per square centimeter
- (3) MDL = method detection limit
- (4) N.D. = not detected, less than MDL
- (5) \* = As per the applicant's request, the mixed test was conducted.
- (6) #1 = The limit for the test result is 1/n of the value in column (where "n" is the number of mixed samples).
- (7) #2 = A Negative result indicates no Cr<sup>6+</sup> detected, a Positive result indicates the presence of Cr<sup>6+</sup>.

**Test Component Descriptions:**

1. Black plastic (mouthpiece)
2. Colorless transparent plastic (e-liquid storage tube)
3. Colorless transparent plastic (pedestal)
4. Red / colorless transparent plastic (heating core base)
5. Black plastic with viscose and white printing (base decoration pad)
6. White soft plastic (mouthpiece plug)
7. White soft plastic (upper rubber stopper)
8. White soft plastic (bottom rubber stopper)
9. White soft plastic (mic silicone)
10. White plastic (fiberglass tube)

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11. White foam (e-liquid storage tube)
12. White sponge (e-liquid absorption cotton)
13. White sponge (e-liquid guide cotton)
14. White mucosa with plastic (battery EVA pad)
15. Black plastic (wire sheath)
16. Red plastic (wire sheath)
17. Blue plastic (wire sheath)
18. Grey plastic with silvery metal (USB)
19. Silvery metal with brown / light yellow / green / red / emerald green / light green / yellow coating and white printing (shell)
20. Circuit board with various components (PCB)
21. Silvery metal (heating coil)
22. Silvery metal (electric wire)
23. Silvery metal (USB)
24. Silvery metal (mic)
25. Silvery metal (heating coil bracket)
26. Silvery metal with light yellow / green / red / yellow coating (decorative ring)

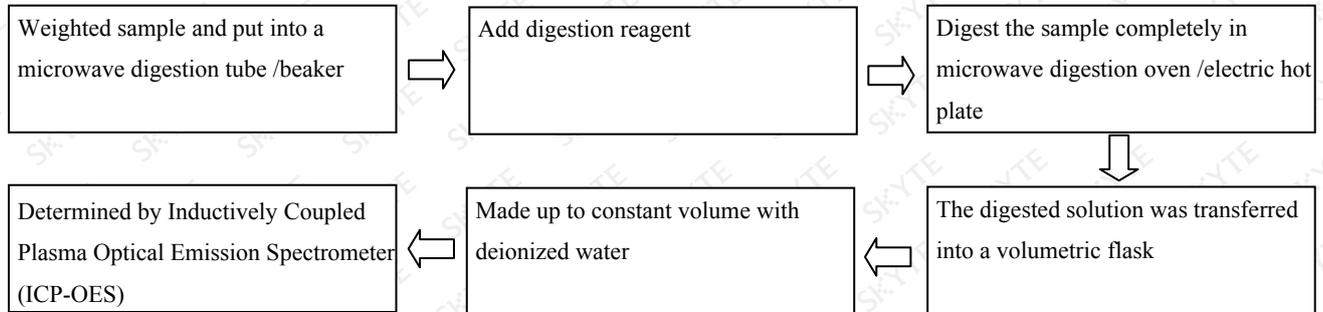
## Test Methods

Test Items	Test Methods	Test Instruments
Cd, Pb	IEC 62321-5:2013	ICP-OES
Hg	IEC 62321-4:2013+AMD 1:2017 CSV	ICP-OES
Cr <sup>6+</sup>	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

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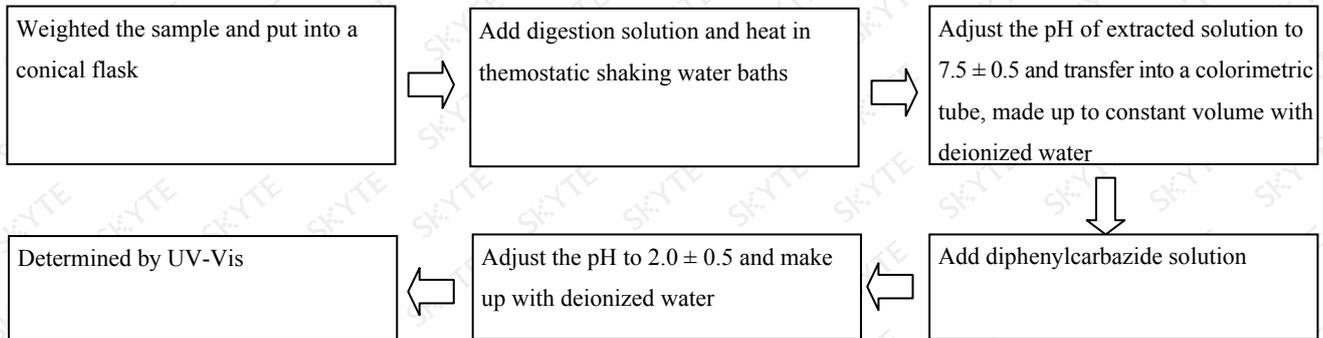
## Test Flowchart

### 1. Test for Cd / Pb /Hg contents

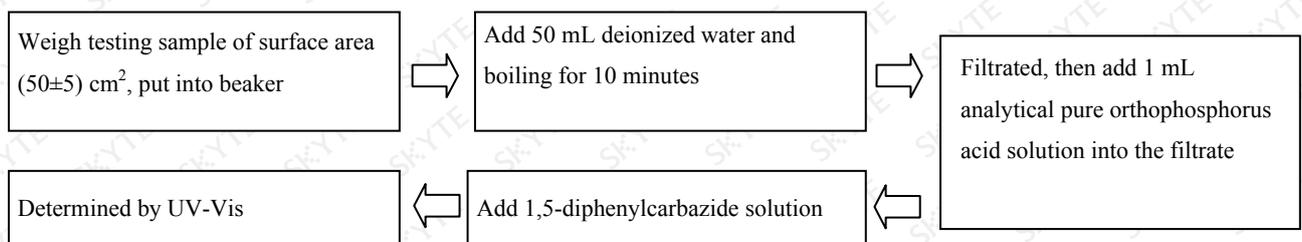


### 2. Test for Cr<sup>6+</sup> content

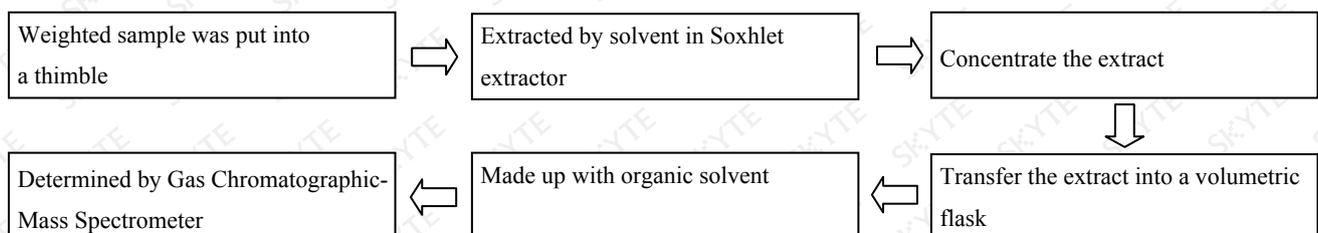
#### 2.1 Determination of Cr<sup>6+</sup> in polymers and electronics by the colorimetric method



#### 2.2 Determination of Cr<sup>6+</sup> in colourless and coloured corrosion-protected coatings on metals by the colorimetric method

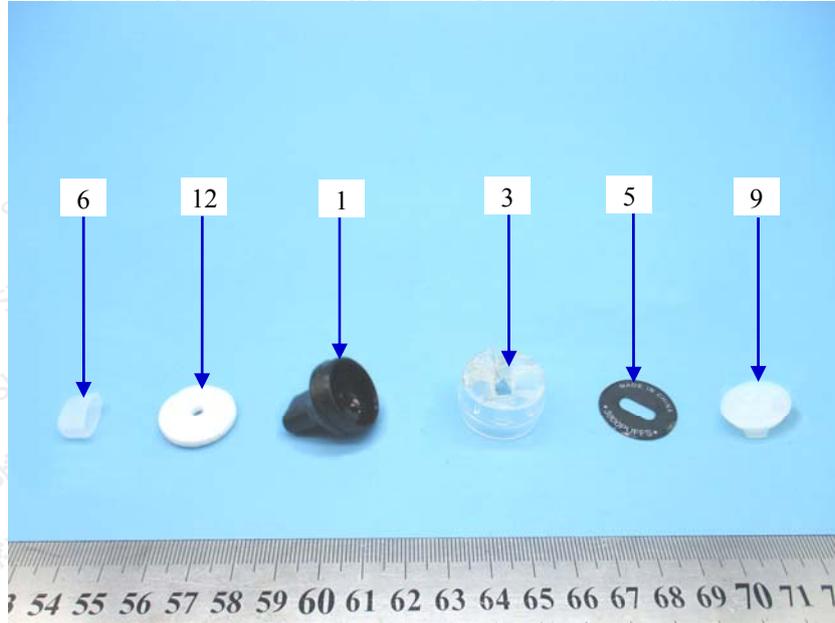


### 3. Test for PBBs/PBDEs, DBP, BBP, DEHP, DIBP contents



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## Sample Photos



Test Component No.1: Black plastic (mouthpiece)

Test Component No.3: Colorless transparent plastic (pedestal)

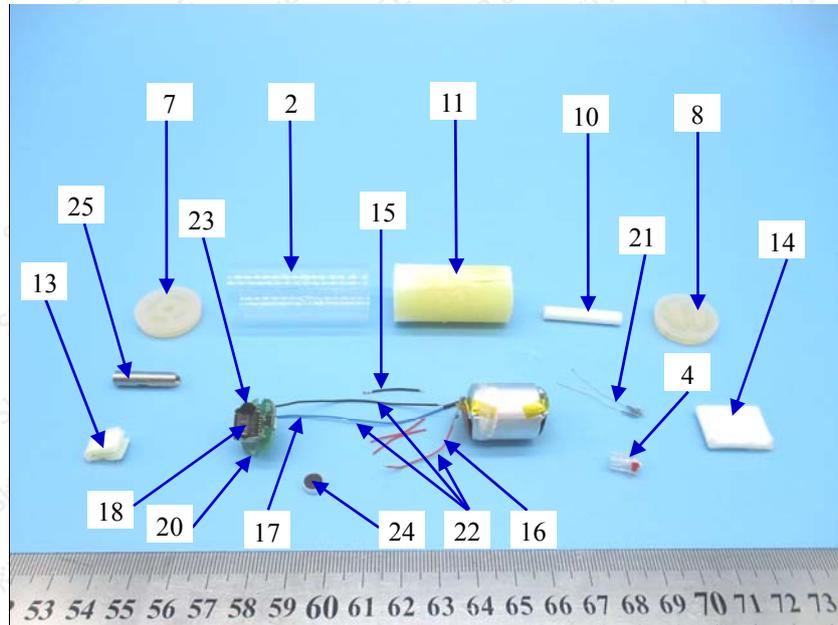
Test Component No.5: Black plastic with viscose and white printing  
(base decoration pad)

Test Component No.6: White soft plastic (mouthpiece plug)

Test Component No.9: White soft plastic (mic silicone)

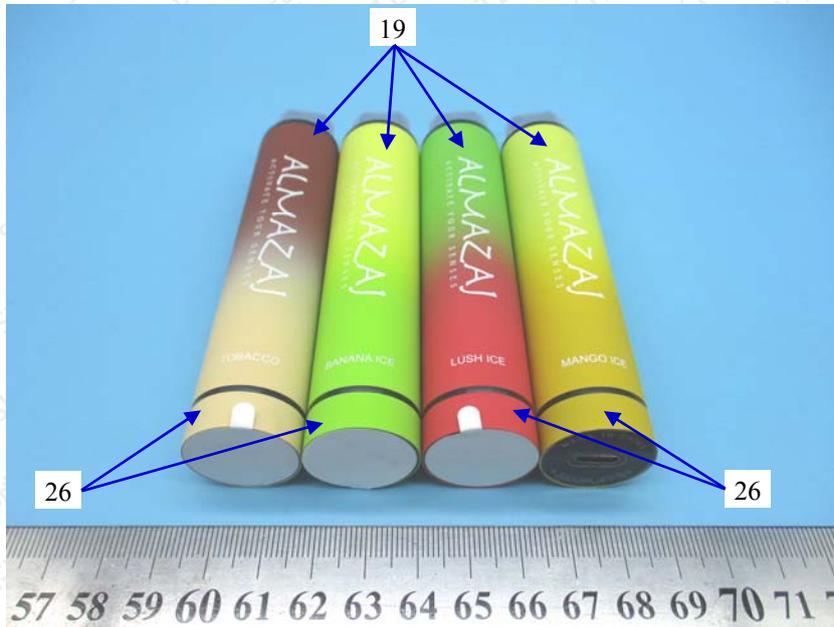
Test Component No.12: White sponge (e-liquid absorption cotton)

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- Test Component No.2: Colorless transparent plastic (e-liquid storage tube)
- Test Component No.4: Red / colorless transparent plastic (heating core base)
- Test Component No.7: White soft plastic (upper rubber stopper)
- Test Component No.8: White soft plastic (bottom rubber stopper)
- Test Component No.10: White plastic (fiberglass tube)
- Test Component No.11: White foam (e-liquid storage tube)
- Test Component No.13: White sponge (e-liquid guide cotton)
- Test Component No.14: White mucosa with plastic (battery EVA pad)
- Test Component No.15: Black plastic (wire sheath)
- Test Component No.16: Red plastic (wire sheath)
- Test Component No.17: Blue plastic (wire sheath)
- Test Component No.18: Grey plastic with silvery metal (USB)
- Test Component No.20: Circuit board with various components (PCB)
- Test Component No.21: Silvery metal (heating coil)
- Test Component No.22: Silvery metal (electric wire)
- Test Component No.23: Silvery metal (USB)
- Test Component No.24: Silvery metal (mic)
- Test Component No.25: Silvery metal (heating coil bracket)

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Test Component No.19: Silvery metal with brown / light yellow / green / red / emerald green / light green / yellow coating and white printing (shell)

Test Component No.26: Silvery metal with light yellow / green / red / yellow coating (decorative ring)



### Finished Product

(End of report)

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