



中国认可
国际互认
检测
TESTING
CNAS L4549

Test Report

Report No.: JC-RCPC240110

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

Applicant: SMISS Technology Co., Ltd.

Manufacturer: /

Name of Sample: Disposable electronic cigarette

Brand: Abu Rashed

Model: 77777

Date of Issuance: Feb. 01, 2024

Skyte Testing Services Guangdong Co., Ltd.



Test Report



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CNAS L4549

Report No.: JC-RCPC240110

Report Date: Feb. 01, 2024

Applicant Name: SMISS Technology Co., Ltd.

Applicant Add.: Building 3, Mingwei Industrial Park, No. 1, Songgang Avenue, Baoan District Shenzhen.
China 518105

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

Sample Name: Disposable electronic cigarette

Brand: Abu Rashed

Model: 77777

Sample Received Date: Jan. 29, 2024

Testing Period: Jan. 29, 2024 to Feb. 01, 2024

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
CNAS 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 Results

Test Items	Test Component No. & Test Results (mg/kg)			MDL (mg/kg)	Limits ^{#1} (mg/kg)
	(1+2+5)*	(3+4)*	(6+7+8)*		
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 ⁶⁺)	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 (mg/kg)			MDL (mg/kg)	Limits ^{#1} (mg/kg)
	(9+10+11+12)*	13	(14+15+16+17+18)*		
Cadmium (Cd)	N.D.	N.D.	N.D.	2	100
Lead (Pb)	N.D.	N.D.	7	2	1000
Mercury (Hg)	N.D.	N.D.	N.D.	2	1000
Chromium (VI) (Cr ⁶⁺)	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 (mg/kg)			MDL (mg/kg)	Limits ^{#1} (mg/kg)
	(19+20+21+22+23)*	24	25		
Cadmium (Cd)	N.D.	N.D.	N.D.	2	100
Lead (Pb)	N.D.	31	37	2	1000
Mercury (Hg)	N.D.	N.D.	N.D.	2	1000
Chromium (VI) (Cr ⁶⁺)	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
	26	27	28	29			
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	2	100	mg/kg
Lead (Pb)	56	320	78	66	2	1000	mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	2	1000	mg/kg
Chromium (VI) (Cr ⁶⁺)	Negative ^{#2}	Negative ^{#2}	Negative ^{#2}	Negative ^{#2}	0.10	1000	µg/cm ²

Test Items	Test Component No. & Test Results			MDL	Limits	Unit
	30	31	32			
Cadmium (Cd)	N.D.	N.D.	N.D.	2	100	mg/kg
Lead (Pb)	102	223	32	2	1000	mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2	1000	mg/kg
Chromium (VI) (Cr ⁶⁺)	Negative ^{#2}	Negative ^{#2}	Negative ^{#2}	0.10	1000	µg/cm ²

Tested by: Xu Guichun, Chen Junlong

Checked by: Ruan Jie, Huang Xiangwei

Remarks:

- (1) mg/kg = milligram per kilogram
- (2) µg/cm² = 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 Cr⁶⁺ detected, a Positive result indicates the presence of Cr⁶⁺.

Test Component Descriptions:

1. White plastic with white printing and blue coating (shell)
2. Dark grey plastic (mouthpiece)
3. Colorless transparent plastic (e-liquid storage tube)
4. Colorless transparent plastic (heating core base)
5. White plastic (base bracket)
6. White soft plastic (upper rubber stopper)
7. White soft plastic (bottom rubber stopper)
8. White soft plastic (mouthpiece sealing plug)
9. White sponge (e-liquid storage cotton)

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10. White sponge (e-liquid absorption cotton)
11. White sponge (e-liquid separate cotton)
12. White sponge (e-liquid guide cotton)
13. White plastic (fiberglass tube)
14. Black plastic (wire sheath)
15. Red plastic (wire sheath)
16. Blue plastic (wire sheath)
17. Yellow plastic (wire sheath)
18. White plastic (wire sheath)
19. Black mucosa with viscose (battery EVA pad)
20. Green gasket with viscose (battery site)
21. Red gasket with viscose (battery site)
22. Yellow mucosa with viscose (battery site)
23. Colorless transparent plastic with black printing (battery site)
24. Grey plastic with silvery metal (USB)
25. Circuit board with various components (PCB)
26. Silvery metal (electric wire)
27. Silvery metal (heating coil)
28. Silvery metal (heating coil bracket)
29. Silvery metal (e-cigarette controller)
30. Silvery metal (USB)
31. Silvery metal (screw)
32. Silvery metal (battery connector)

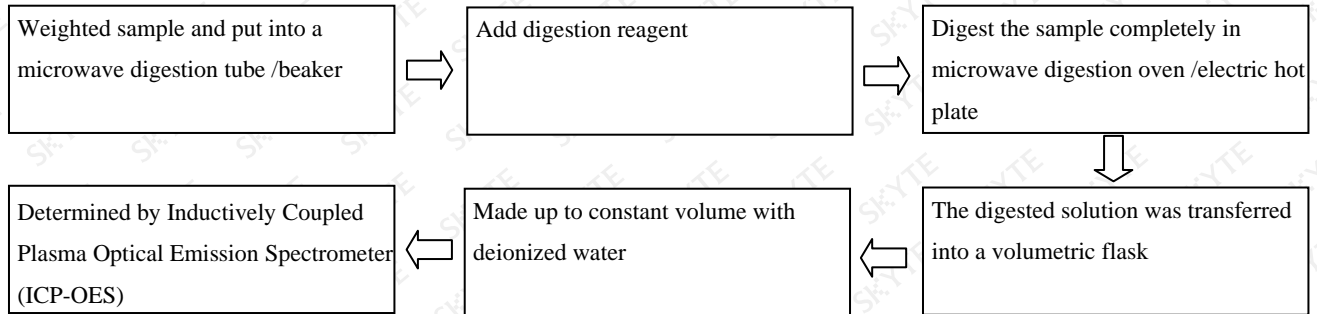
Test Methods

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 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

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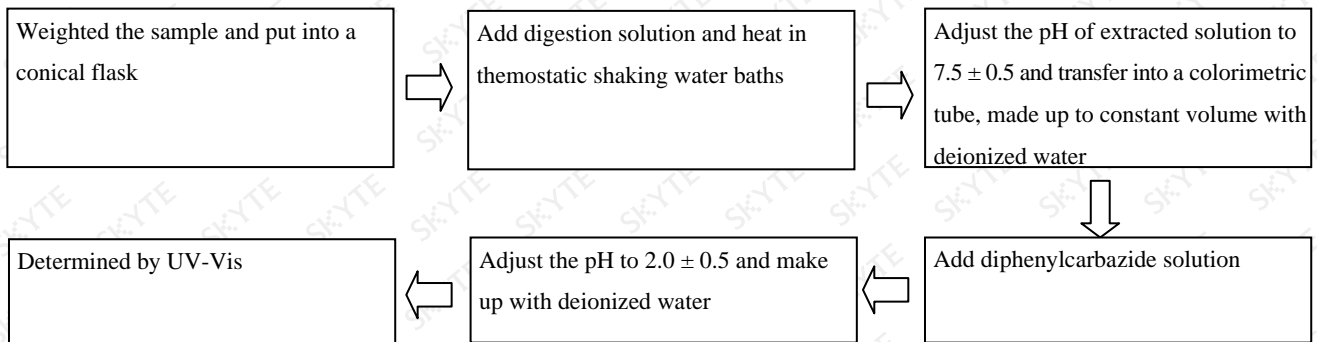
Test Flowchart

1. Test for Cd / Pb / Hg contents

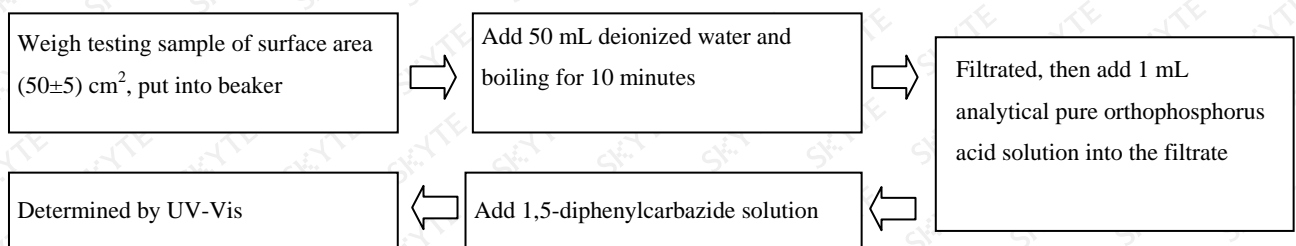


2. Test for Cr⁶⁺ content

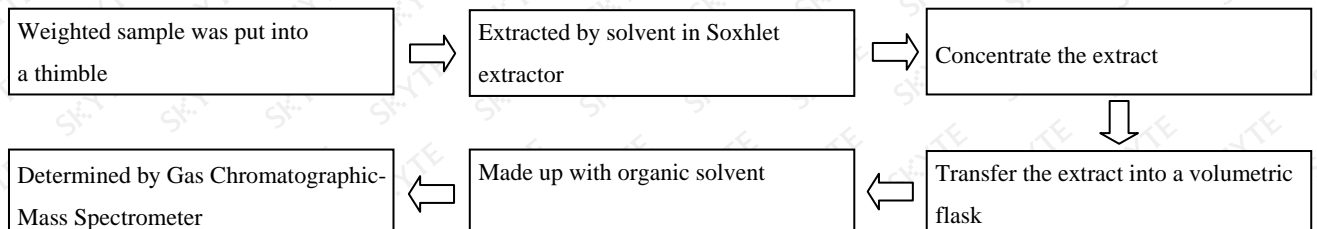
2.1 Determination of Cr⁶⁺ in polymers and electronics by the colorimetric method



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

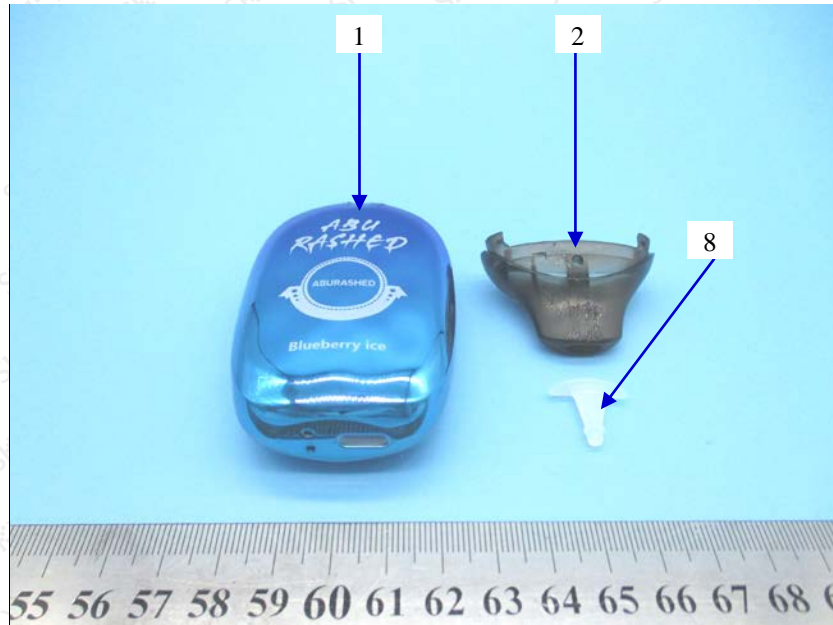


3. Test for PBBs / PBDEs, DBP, BBP, DEHP, DIBP contents



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Sample Photos

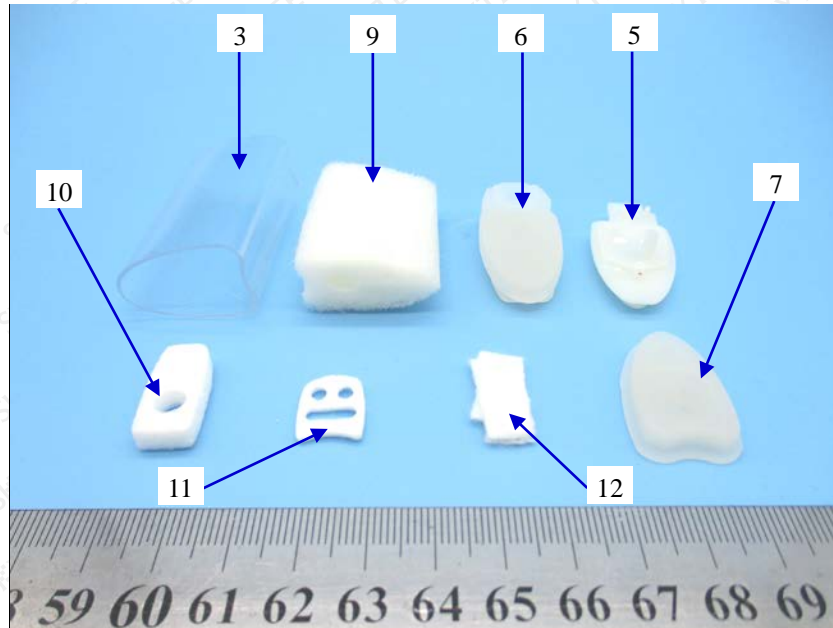


Test Component No.1: White plastic with white printing and blue coating (shell)

Test Component No.2: Dark grey plastic (mouthpiece)

Test Component No.8: White soft plastic (mouthpiece sealing plug)

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Test Component No.3: Colorless transparent plastic (e-liquid storage tube)

Test Component No.5: White plastic (base bracket)

Test Component No.6: White soft plastic (upper rubber stopper)

Test Component No.7: White soft plastic (bottom rubber stopper)

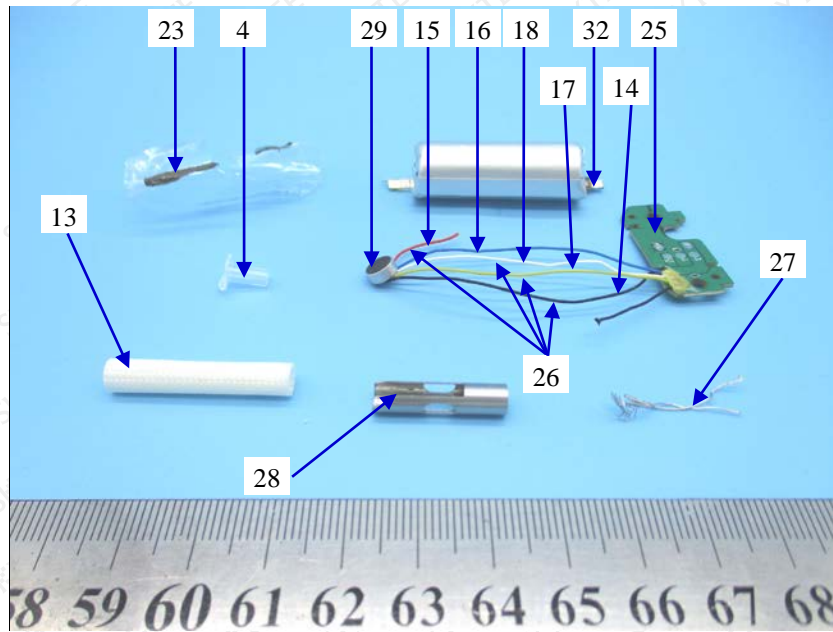
Test Component No.9: White sponge (e-liquid storage cotton)

Test Component No.10: White sponge (e-liquid absorption cotton)

Test Component No.11: White sponge (e-liquid separate cotton)

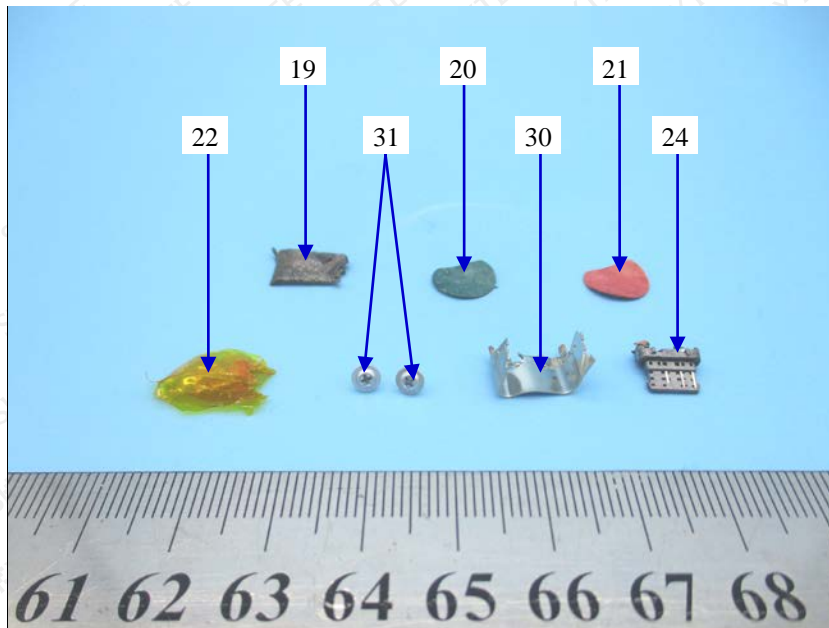
Test Component No.12: White sponge (e-liquid guide cotton)

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- Test Component No.4: Colorless transparent plastic (heating core base)
- Test Component No.13: White plastic (fiberglass tube)
- Test Component No.14: Black plastic (wire sheath)
- Test Component No.15: Red plastic (wire sheath)
- Test Component No.16: Blue plastic (wire sheath)
- Test Component No.17: Yellow plastic (wire sheath)
- Test Component No.18: White plastic (wire sheath)
- Test Component No.23: Colorless transparent plastic with black printing (battery site)
- Test Component No.25: Circuit board with various components (PCB)
- Test Component No.26: Silvery metal (electric wire)
- Test Component No.27: Silvery metal (heating coil)
- Test Component No.28: Silvery metal (heating coil bracket)
- Test Component No.29: Silvery metal (e-cigarette controller)
- Test Component No.32: Silvery metal (battery connector)

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Test Component No.19: Black mucosa with viscose (battery EVA pad)

Test Component No.20: Green gasket with viscose (battery site)

Test Component No.21: Red gasket with viscose (battery site)

Test Component No.22: Yellow mucosa with viscose (battery site)

Test Component No.24: Grey plastic with silvery metal (USB)

Test Component No.30: Silvery metal (USB)

Test Component No.31: Silvery metal (screw)

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Finished Product

(End of report)

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