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检测
TESTING
CNAS L4549



Test Report

Report No.: JC-RCPC250746

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

Applicant: BENGU RODEO MESTAN | VAPETISM

Manufacturer: Dongguan AirV Technology Co. Ltd

Name of Sample: Humo Azul Vape

Brand: /

Model: Humo Azul 20ml

Date of Issuance: Sept. 26, 2025

Skyte Testing Services Guangdong Co., Ltd.

Report No.: JC-RCPC250746

Report Date: Sept. 26, 2025

Applicant Name: BENGU RODEO MESTAN | VAPETISM

Applicant Add.: Varonou Hirs 38, 54642, Thessaloniki, Greece

Manufacturer: Dongguan AirV Technology Co. Ltd

Manufacturer Add.: Building 11, No. 58, Lane 1, Nansi Street, Qiaodong Road, Qiaotou Town, Dongguan City, Guangdong Province, China.

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

Sample Name: Humo Azul Vape

Model: Humo Azul 20ml

Input Voltage: 5 V

Sample Received Date: Sept. 19, 2025

Testing Period: Sept. 19, 2025 to Sept. 26, 2025

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 Directive 2011/65/EU Annex II & (EU) 2015/863	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 ~8)*	(9 ~ 12)*	(13 ~16)*	(17 ~19)*		
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 ⁶⁺)	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 ^{#1} (mg/kg)
	(20 ~ 23)*	24	25		
Cadmium (Cd)	N.D.	N.D.	N.D.	2	100
Lead (Pb)	N.D.	8	21	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			
Cadmium (Cd)	N.D.	6	N.D.	2	100	mg/kg
Lead (Pb)	N.D.	69	121	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

Test Items	Test Component No. & Test Results			MDL	Limits	Unit
	29	30	31			
Cadmium (Cd)	N.D.	N.D.	22	2	100	mg/kg
Lead (Pb)	N.D.	N.D.	36	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: Chen Junlong, Cai Yuqing

Checked by: Huang Xiangwei, Zheng Caiju

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 blue coating (shell)
2. White plastic with blue font (base)
3. Transparent plastic
4. White plastic (top)
5. White plastic
6. Plastic with silvery coating (top)
7. Yellow plastic
8. Plastic with silvery coating
9. Blue silicone
10. Orange silicone
11. White silicone

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12. White silicone (e-cigarette controller silicone)
13. White cotton (e-liquid storage cotton)
14. White cotton (e-liquid guide cotton)
15. White cotton
16. White plastic (fiberglass tube)
17. Green gasket with viscose (battery site)
18. Transparent plastic with viscose
19. Yellow plastic with viscose (battery tape)
20. Blue plastic (wire sheath)
21. Black plastic (wire sheath)
22. White plastic (wire sheath)
23. Red plastic (wire sheath)
24. Circuit board with various components (PCB)
25. Grey plastic with silvery metal (USB)
26. Silvery metal (USB)
27. Silvery metal (heating coil bracket)
28. Silvery metal (heating coil)
29. Silvery metal (electric wire)
30. Silvery metal (e-cigarette controller)
31. Metal with black coating (screw)

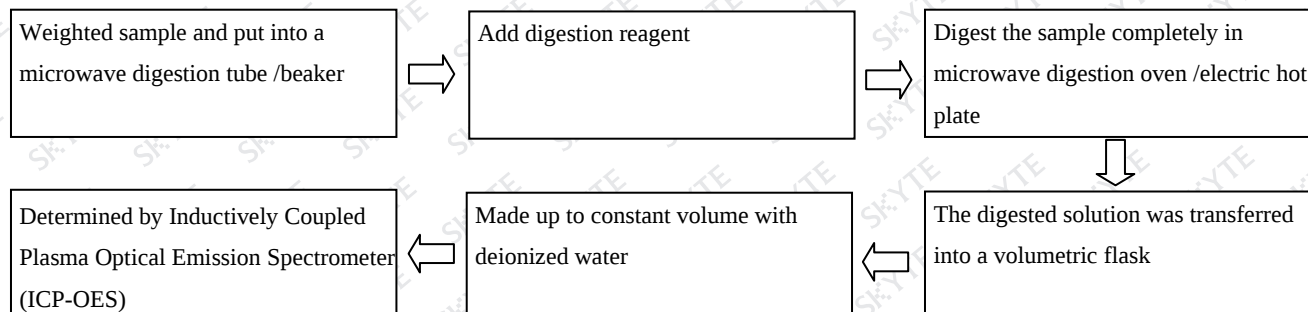
Test Methods

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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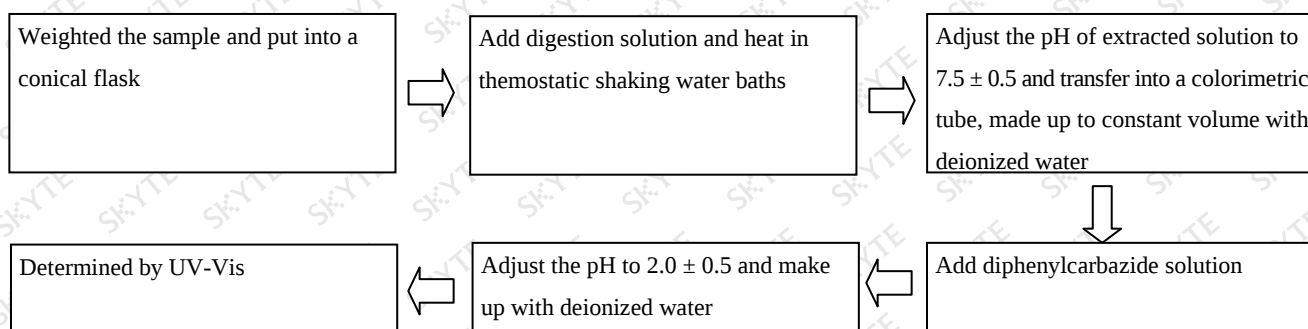
Test Flowchart

1. Test for Cd / Pb / Hg contents

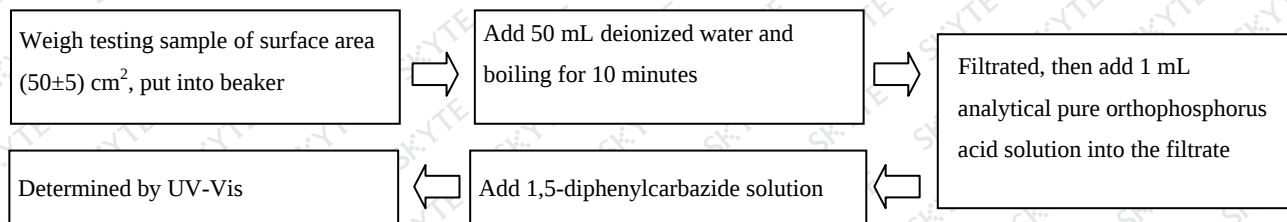


2. Test for Cr⁶⁺ content

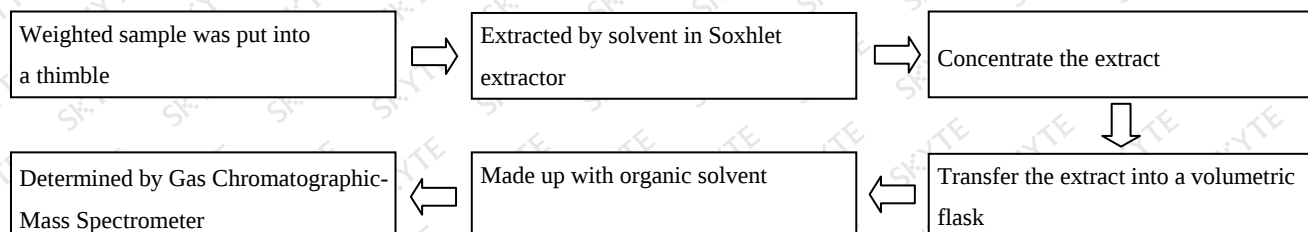
2.1 Determination of Cr⁶⁺ in polymers and electronics by the colorimetric method



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

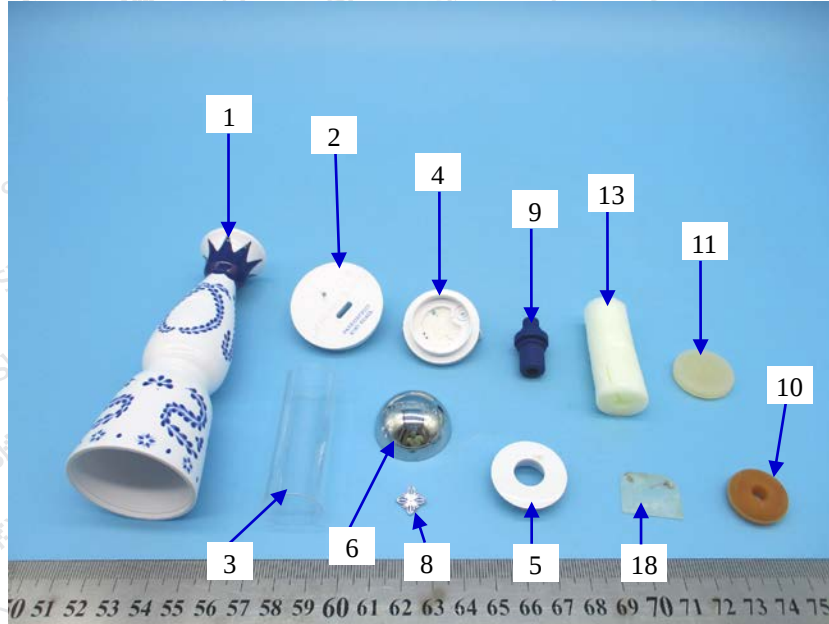


3. Test for PBBs / PBDEs, DBP, BBP, DEHP, DIBP contents



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Sample Photos



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

Test Component No.2: White plastic with blue font (base)

Test Component No.3: Transparent plastic

Test Component No.4: White plastic (top)

Test Component No.5: White plastic

Test Component No.6: Plastic with silvery coating (top)

Test Component No.8: Plastic with silvery coating

Test Component No.9: Blue silicone

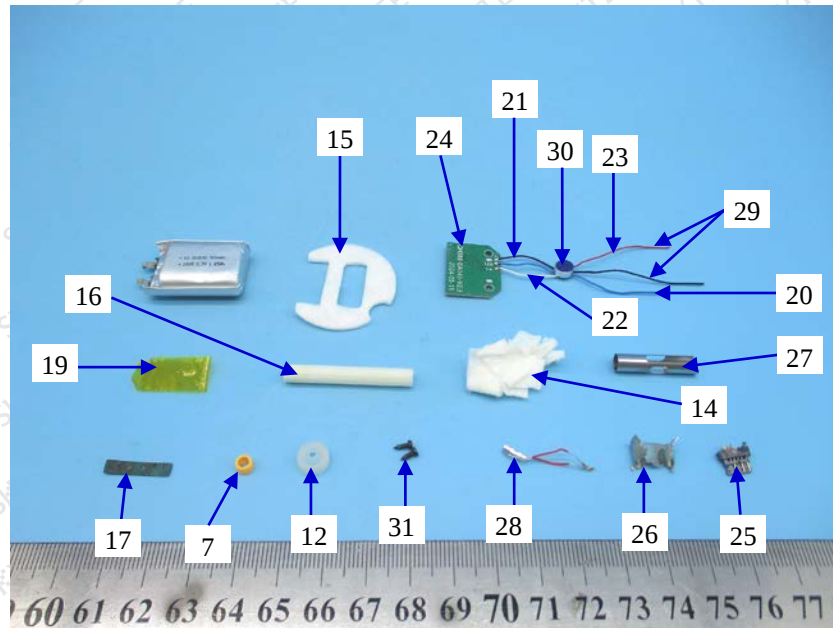
Test Component No.10: Orange silicone

Test Component No.11: White silicone

Test Component No.13: White cotton (e-liquid storage cotton)

Test Component No.18: Transparent plastic with viscose

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Test Component No.7: Yellow plastic

Test Component No.12: White silicone (e-cigarette controller silicone)

Test Component No.14: White cotton (e-liquid guide cotton)

Test Component No.15: White cotton

Test Component No.16: White plastic (fiberglass tube)

Test Component No.17: Green gasket with viscose (battery site)

Test Component No.19: Yellow plastic with viscose (battery tape)

Test Component No.20: Blue plastic (wire sheath)

Test Component No.21: Black plastic (wire sheath)

Test Component No.22: White plastic (wire sheath)

Test Component No.23: Red plastic (wire sheath)

Test Component No.24: Circuit board with various components (PCB)

Test Component No.25: Grey plastic with silvery metal (USB)

Test Component No.26: Silvery metal (USB)

Test Component No.27: Silvery metal (heating coil bracket)

Test Component No.28: Silvery metal (heating coil)

Test Component No.29: Silvery metal (electric wire)

Test Component No.30: Silvery metal (e-cigarette controller)

Test Component No.31: Metal with black coating (screw)

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Finished Product

(End of report)

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