



# Test Report



中国认可  
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检测  
TESTING  
CNAS L4549

Report No.: JC-CPC200188-3-2Z1

Date: Aug.21, 2020

Applicant Name: VEEX Technology (SHENZHEN) Co., Ltd

Applicant Add.: Unit 810, 8nd floor, Yifang center, Xinhua Road, Bao'an District, Shenzhen

Test sample was submitted by the applicant, report on the submitted sample said to be:

Sample Name: VEEX V4

Strength: 2%

Flavor: Iced cola

Bottle Size: 2ml

Type: V4

Brand: VEEX

Sample Receiving Date: Aug.05, 2020

Testing Period: Aug.05, 2020 to Aug.21, 2020

Tests conducted: As requested by the applicant, for details refer to attached pages.

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Test Request:

| Test Items                                                                                                                                                | Test Request                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Nicotine Consistence, Nicotine,<br>Carbonyls, Impurities in PG and VG,<br>Volatile Organic Compounds (VOC),<br>Heavy Metal Elements, Flavour Ingredients, | Tobacco Product Directive (2014/40/EU ) Article 20 |

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



David Tu /General Manager  
CNAS Approved Signatory

Remark: Please note that every statement made in this report is only valid for the samples tested and reported herein. This report shall not be reproduced except in full, without the written approval of SKYTE. The sample's information was provided by the applicant, SKYTE has no responsibility for the truth of such information.

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## Analytical Method Parameters

Smoking machine condition: Puffing Duration: 3s  
Number of puffs per series: 20  
Number of series: 5  
Total number of puffs: 100  
Total vaporization duration: 300s  
Puffing Frequency: 30s  
Time between 2 series: 300s  
Puff Volume: 55mL  
Inhalation Profile : Square Wave  
Inhalation Flow Rate : 1.10 L/min

Information of E-cigarette device used for the test: Device Power Setting: Fixed  
Brand: VEEX  
Type: V4  
Resistance: 1.2Ω

## Test Results

### 1. Nicotine Consistence

| Test Item            | CAS No. | Test Results (mg/100 puffs) |                            |                             | AVG<br>(mg/100 puffs) | Target values* |
|----------------------|---------|-----------------------------|----------------------------|-----------------------------|-----------------------|----------------|
|                      |         | Serie1<br>(1~20<br>puffs)   | Serie3<br>(41~60<br>puffs) | Serie5<br>(81~100<br>puffs) |                       |                |
| Nicotine Consistence | 54-11-5 | 9.2                         | 7.3                        | 8.9                         | 8.5                   | —              |
| Deviation            | —       | 8.24%                       | -14.12%                    | 4.71%                       | —                     | 25%            |

### 2. Nicotine

| Test Item | CAS No. | Test Result (mg/100 puffs) | MDL (mg/100 puffs) |
|-----------|---------|----------------------------|--------------------|
| Nicotine  | 54-11-5 | 8.5                        | 0.05               |

### 3. Impurities in PG and VG

| Test Items        | CAS No.  | Test Results (μg/200 puffs) | MDL (μg/200 puffs) |
|-------------------|----------|-----------------------------|--------------------|
| Ethylene glycol   | 107-21-1 | N.D.                        | 20                 |
| Diethylene glycol | 111-46-6 | N.D.                        | 20                 |

## 4. Carbonyls

| Test Items     | CAS No.  | Test Results (µg/200 puffs) | MDL (µg/200 puffs) | Target values* (µg/200 puffs) |
|----------------|----------|-----------------------------|--------------------|-------------------------------|
| Formaldehyde   | 50-00-0  | 29.4                        | 0.4                | 200                           |
| Acetaldehyde   | 75-07-0  | 31.9                        | 0.8                | 3200                          |
| Acrolein       | 107-02-8 | N.D.                        | 0.6                | 16                            |
| Crotonaldehyde | 123-73-9 | N.D.                        | 4.0                | —                             |

## 5. Volatile Organic Compounds (VOC)

| Test Items    | CAS No.  | Test Results (µg/200 puffs) | MDL (µg/200 puffs) |
|---------------|----------|-----------------------------|--------------------|
| Benzene       | 71-43-2  | N.D.                        | 4.0                |
| Toluene       | 108-88-3 | N.D.                        | 4.0                |
| 1,3-Butadiene | 106-99-0 | N.D.                        | 40                 |
| Isoprene      | 78-79-5  | N.D.                        | 4.0                |

## 6. Heavy Metal Elements

| Test Items    | CAS No.   | Test Results (ng/200 puffs) | MDL (ng/200 puffs) | Target values* (ng/200 puffs) |
|---------------|-----------|-----------------------------|--------------------|-------------------------------|
| Chromium (Cr) | 7440-47-3 | 10.1                        | 2.12               | 3000                          |
| Cadmium (Cd)  | 7440-43-9 | N.D.                        | 1.52               | 2000                          |
| Lead (Pb)     | 7439-92-1 | 13.8                        | 1.48               | 5000                          |
| Antimony (Sb) | 7440-36-0 | N.D.                        | 1.48               | 20000                         |
| Nickel (Ni)   | 7440-02-0 | 131                         | 1.50               | 5000                          |
| Arsenic (As)  | 7440-38-2 | N.D.                        | 1.38               | 2000                          |

## 7. Flavour Ingredients

| Test Items        | CAS No.  | Test Results (µg/200 puffs) | MDL (µg/200 puffs) | Target values* (µg/200 puffs) |
|-------------------|----------|-----------------------------|--------------------|-------------------------------|
| Diacetyl          | 431-03-8 | N.D.                        | 0.6                | 490                           |
| 2,3- Pentanedione | 600-14-6 | N.D.                        | 8                  | —                             |

Tested by: Yangjiayi, Suweili, Likunqiang, Xuguichun

Checked by: Huangxiangwei, Wuyingjun

## Remarks:

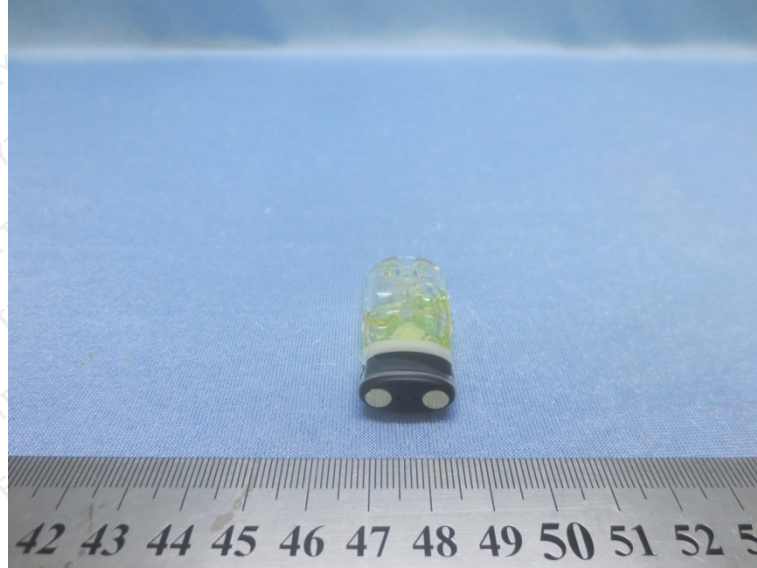
- (1) MDL = method detection limit
- (2) N.D. = not detected, less than MDL
- (3) mg/100 puffs = milligram per one hundred puffs
- (4) ng/200 puffs = nanogram per two hundred puffs
- (5) µg/200 puffs = microgram per two hundred puffs
- (6) \* = The target value is quoted from AFNOR XP D90-300-3.

## Test Methods

| Test Items           | Test Methods                           | Test Instruments |
|----------------------|----------------------------------------|------------------|
| Nicotine Consistence | AFNOR XP D90-300-3 Annex A.3           | GC-FID           |
| Nicotine             |                                        |                  |
| Ethylene glycol      | C-QT-1800-TP<br>(In-house test method) | GC-FID           |
| Diethylene glycol    |                                        |                  |
| Formaldehyde         | AFNOR XP D90-300-3 Annex A.5           | UPLC-PDA         |
| Acetaldehyde         |                                        |                  |
| Acrolein             |                                        |                  |
| Crotonaldehyde       |                                        |                  |
| Benzene              | CORESTA RECOMMENDED METHOD N° 70       | GC-MS            |
| Toluene              |                                        |                  |
| 1,3-Butadiene        |                                        |                  |
| Isoprene             |                                        |                  |
| Chromium (Cr)        | AFNOR XP D90-300-3 Annex A.6           | ICP-MS           |
| Cadmium (Cd)         |                                        |                  |
| Lead (Pb)            |                                        |                  |
| Antimony (Sb)        |                                        |                  |
| Nickel (Ni)          |                                        |                  |
| Arsenic (As)         |                                        |                  |
| Diacetyl             | AFNOR XP D90-300-3 Annex A.4           | GC-MS            |
| 2,3- Pentanedione    |                                        |                  |

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## Sample Photo



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(End of report)

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