

# Test Report

No. 4856612-CH01-SD-R3 Date: January 18, 2022 Page 1 of 9

Vape Away LLC

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*This report supersedes all previous documents bearing the test report number 4856612-CH01-SD-R2.*

The following sample(s) was/were submitted  
and identified by/on behalf of the client as:

**Mini VaporFreeze Filters**  
**Small VaporFreeze Fabric Sheets**  
**VaporFreeze Housing**

Sample Received Date: 12/21/2021

Testing Period: 12/21/2021 – 01/12/2022

Revision Date : R1: 01/21/2022  
R2: 01/24/2022  
R3: 02/02/2022

Revision Summary : R1: Update to Formaldehyde test results.  
R2: Update to Sample Description  
R3: Update to Sample Description

Test Requested : Please refer to the result summary.

Test Method & Results : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
1. Lead Content	See Test Results
2. Phthalate Content (As requested by Client)	See Test Results
3. Bisphenol A (BPA) Content	See Test Results
4. US FDA 21 CFR 181.32 (Acrylonitrile Copolymers and Resins) – Determination of Amount of Residual Acrylonitrile	PASS
5. Polymer Analysis by Fourier Transform Infrared Spectroscopy (FTIR)	See Test Results
6. Free Formaldehyde Content in Textiles	PASS

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## Test Report

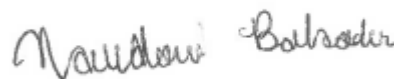
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Signed for and on behalf of SGS North America, Inc.

Prepared By:

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## 1. Lead Content

Method: With reference to US EPA Method 3050B followed by analysis using ICP-MS.

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)
	1	2	
Lead (Pb)	ND	ND	5

### Sample Description:

1. Black plastic piece
2. Black fabric (whole)

Note: 1. mg/kg = milligram per kilogram

2. mg/kg = ppm

3. 1% = 10000 mg/kg (ppm)

4. ND = Not Detected

5. TBD = To Be Determined

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### 2. Phthalate Content (As requested by Client)

Test Method : With reference to CPSC-CH-C1001-09.4 and/or SGS In-House Method. Analysis was performed by GC-MS.

Phthalates	CAS No.	Result (ppm)		Reporting Limit (ppm)
		1	2	
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	150
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	ND	ND	150
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	ND	ND	150
Diisobutyl Phthalate (DIBP)	84-69-5	ND	ND	150
Di-n-pentyl Phthalate (DPENP)	131-18-0	ND	ND	150
Dicyclohexyl Phthalate (DCHP)	84-61-7	ND	ND	150
Diethyl Phthalate (DEP)	84-66-2	ND	ND	150
Di-n-hexyl Phthalate (DnHP)	84-75-3	ND	ND	150

#### Sample Description:

1. Black plastic piece
2. Black fabric (whole)

Note: 1. ppm = parts per million  
 2. mg/kg = ppm  
 3. 1% = 10000 ppm (mg/kg)  
 4. ND = Not Detected

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### 3. Bisphenol A (BPA) Content

Test Method: Solvent extraction followed by analysis with High Performance Liquid Chromatography – Mass Selective Detector (HPLC-MSD).

Test Item	CAS No.	Result (ppb)		Method Detection Limit (ppb)
		1	2	
Bisphenol A (BPA)	80-05-07	ND	ND	50

#### Sample Description:

1. Black plastic piece
2. Black fabric (whole)

Note: 1. ppb = parts per billion  
2. ND = Not Detected, reported when the reading is less than the reporting limit value.

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### 4. US FDA 21 CFR 181.32 (Acrylonitrile Copolymers and Resins) – Determination of Amount of Residual Acrylonitrile

Test Method: With reference to US FDA 21 CFR 181.32

Extractants	Test Condition	Result (mg/inch <sup>2</sup> )	Reporting Limit (mg/inch <sup>2</sup> )	Permissible Limit (mg/inch <sup>2</sup> )
		1		
Distilled Water	120°F for 4 hours	ND	0.003	0.003
<b>Comment</b>	--	PASS	--	--

#### Sample Description :

1. ABS Mouthpiece

Note : 1. mg/inch<sup>2</sup> = milligram per square inch

2. °F = degrees Fahrenheit

3. ND = Not Detected, reported when the reading is less than the reporting limit value.

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## 5. Polymer Analysis by Fourier Transform Infrared Spectroscopy (FTIR)

Test Method: Testing was performed using Fourier Transform Infrared Spectroscopy (FTIR) analytical instrumentation.

Sample	Results
Black Cloth Material	No polymer characteristics were found. It is inconclusive for its nature.

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## 6. Free Formaldehyde Content in Textiles

Test Method: With reference to BS EN ISO 14184-1:2011. Analysis was performed by UV/VIS Spectrophotometer.

Test Item	Result (ppm)	Reporting Limit (ppm)	Recommended Max Limit (ppm)
	1		
Formaldehyde	ND	16	75
<b>Conclusion</b>	PASS	--	--

### Sample Description:

1. Black Woven Fabric

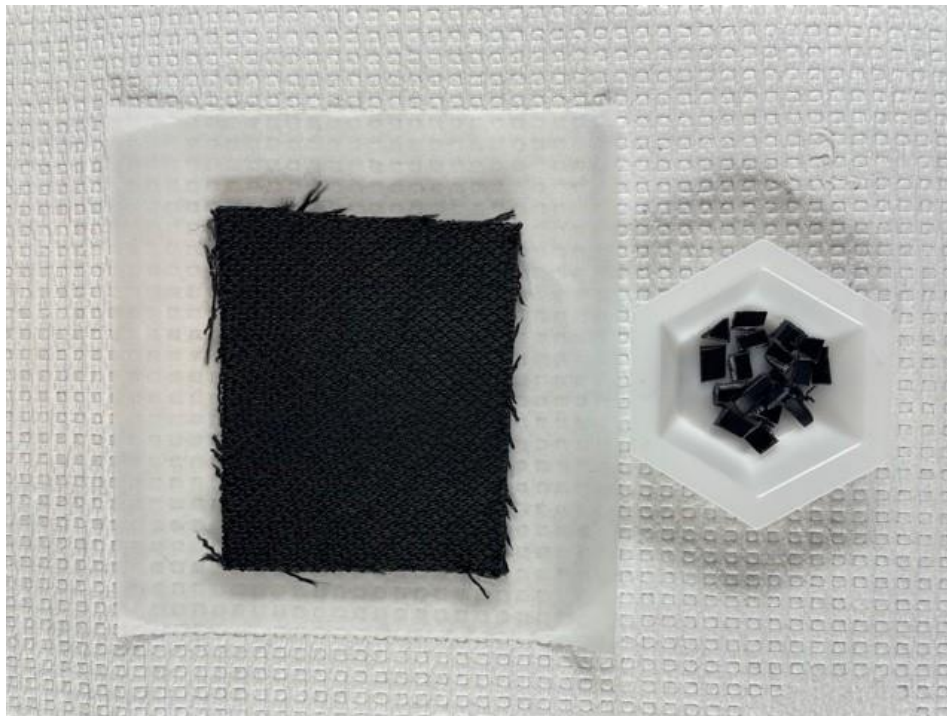
Note:

1. ppm = parts per million
2. mg/kg = ppm
3. 1% = 10000 ppm (mg/kg)
4. ND = Not Detected, reported when the reading is less than the reporting limit value.

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### Sample Photo:



SGS authenticates the photo on the original report only

\*\*\* End of Report \*\*\*

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