

Applicant: AiGDOO(ShenZhen)Technology Co.,Ltd

Applicant address: Room 702, Building 1, Jiuzhou Industrial Park, No. 10, No. 19 Road, Tongguan Road, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province

The following samples were submitted and identified on behalf of the clients as

Sample Name: Toothbrush head  
Main test Model: WHC-6C001  
Other model: WHC-6C002、WHC-6C003、WHC-6C004、WHC-6D001、WHC-6D002、WHC-6D003、WHC-6D004  
Manufacturer: AiGDOO(ShenZhen)Technology Co.,Ltd  
Manufacturer address: Room 702, Building 1, Jiuzhou Industrial Park, No. 10, No. 19 Road, Tongguan Road, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province  
Sample quantity: 15pcs  
CPST Internal Reference No.: C210929025  
Sample Received Date: Sep 29, 2021  
Test Period: Sep 29, 2021 to Oct 09, 2021  
Test Method: Please refer to next page(s).  
Test Result: Please refer to next page(s).



Signed for and on behalf of  
**Eurones (Dongguan) Consumer Products Testing Service Co., Ltd**

WRITTEN BY :

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# CPST

## Test Report

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Date: Oct 09, 2021

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### CONCLUSION :

<u>TESTED SAMPLES</u>	<u>TEST ITEM</u>	<u>RESULT</u>
Toothbrush head	1. Food and Drug Administration (FDA) 21 CFR 177.1020	<b>PASS</b>
	2. FDA food Contact Article test: in accordance with: 21 CFR 177.1500	<b>PASS</b>

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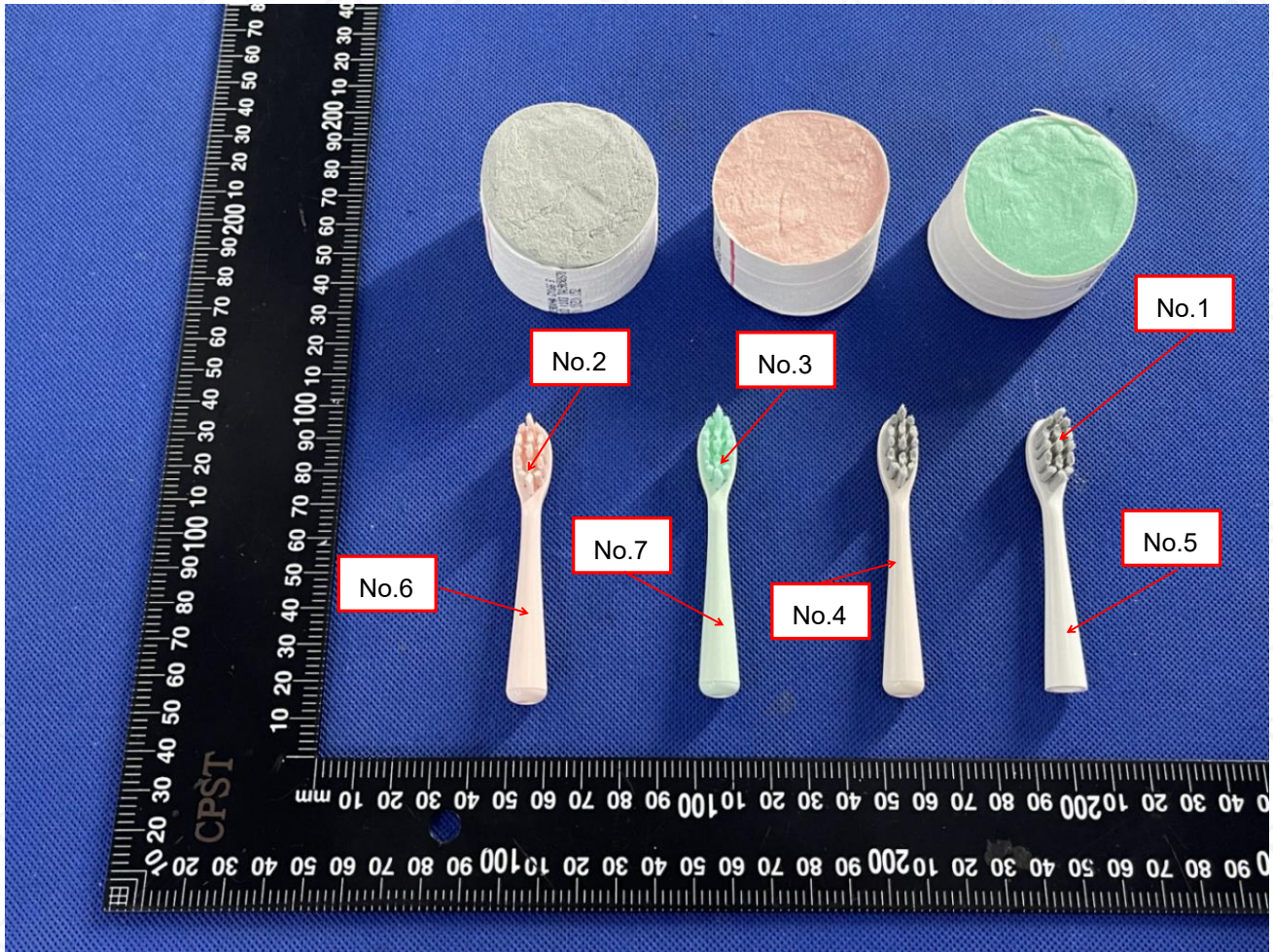
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400 111 6218

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### Photo of the Submitted Sample



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## Test Report

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### Sample list:

No.	Sample name	Material
No.1	Gray toothbrush bristles	PA66
No.2	Pink toothbrush bristles	PA66
No.3	Green toothbrush bristles	PA66
No.4	Milky white toothbrush handle	ABS
No.5	White toothbrush handle	ABS
No.6	Pink toothbrush handle	ABS
No.7	Green toothbrush handle	ABS

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### Test Result(s):

#### 1.Food and Drug Administration (FDA) 21 CFR 177.1020

Test Method: With reference to FDA 21 CFR 177.1020

##### 1) Acrylonitrile monomer residual

Test Item	Unit	Result			Limit
		No.4	No.5	No.6	
Acrylonitrile monomer residual	mg/kg	<5	<5	<5	≤11

Test Item	Unit	Result	Limit
		No.7	
Acrylonitrile monomer residual	mg/kg	<5	≤11

##### 2) Acrylonitrile migration

Test Item	Condition	Unit	Result			Limit
			No.4	No.5	No.6	
Acrylonitrile migration	Water(150°F, 8D)	mg/in <sup>2</sup>	<0.0015	<0.0015	<0.0015	≤0.0015
	3% acetic acid (150°F, 8D)	mg/in <sup>2</sup>	<0.0015	<0.0015	<0.0015	≤0.0015

Test Item	Condition	Unit	Result	Limit
			No.7	
Acrylonitrile migration	Water(150°F, 8D)	mg/in <sup>2</sup>	<0.0015	≤0.0015
	3% acetic acid (150°F, 8D)	mg/in <sup>2</sup>	<0.0015	≤0.0015

##### 3) Total extraction

Test Item	Condition	Unit	Result			Limit
			No.4	No.5	No.6	
Total extraction	Water (120°F, 8D)	mg/in <sup>2</sup>	<0.0005	<0.0005	<0.0005	≤0.0005
	3% acetic acid (120°F, 8D)	mg/in <sup>2</sup>	<0.0005	<0.0005	<0.0005	≤0.0005
	N-heptane (120°F, 8D)	mg/in <sup>2</sup>	<0.0005	<0.0005	<0.0005	≤0.0005

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Test Item	Condition	Unit	Result	Limit
			No.7	
Total extraction	Water (120°F, 8D)	mg/in <sup>2</sup>	<0.0005	≤0.0005
	3% acetic acid (120°F, 8D)	mg/in <sup>2</sup>	<0.0005	≤0.0005
	N-heptane (120°F, 8D)	mg/in <sup>2</sup>	<0.0005	≤0.0005

Note: mg/kg = milligram per kilogram = ppm  
 < = Less than

mg/inch<sup>2</sup>= milligram per square inch

### 2. FDA food Contact Article test: in accordance with: 21 CFR 177.1500

Test Item	Unit	Result			Limit
		No.1	No.2	No.3	
Total extractable fraction in D.I. water at reflux temperature for 8 hours	%	<0.1	<0.1	<0.1	1.5
Total extractable fraction in 95% ethanol at reflux temperature for 8 hours	%	<0.1	<0.1	<0.1	1.5
Total extractable fraction in benzene at reflux temperature for 8 hours	%	<0.1	<0.1	<0.1	0.2
Total extractable fraction in ethyl acetate at reflux temperature for 8 hours	%	<0.1	<0.1	<0.1	0.2
Solubility in boiling 4.2 mol/L HCl	/	Dissolves in 1h	Dissolves in 1h	Dissolves in 1h	Dissolves in 1h
Melting point	°F	483	482	481	475-495
Density	g/cm <sup>3</sup>	1.138	1.136	1.134	1.125-1.155

Note:

1. % = percentage by weight
2. °F = Fahrenheit
3. g/cm<sup>3</sup> = Gram per cubic centimeter

Remark: As specified by applicant, to test content in the selected materials of the submitted samples. The test results are only responsible for the submitted sample.

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

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