



Test Report

Report No: BSTDG190512847003CR

Date: Jun. 06, 2019

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Applicant : EHM GROUP LTD.

Address : BUILDING 2, NO. 3 OF XIANKE FIRST ROAD, HUADONG TOWN, HUADU
DISTRICT, GUANGZHOU

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

Sample Name : Alkaline water filter pitcher

Sample Model : EHM-WP5, EHM-WP3, EHM-WP4, EHM-WP6, EHM-WP7, EHM-WP8,
EHM-WP9

Sample Received Date : Jun. 01, 2019

Testing Period : Jun. 01, 2019 To Jun. 06, 2019

Test Requested : As specified by client, for compliance with Food and Drug Administration
Regulations.

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

Test Result : Please refer to next page(s).

Signed for and on behalf of

Tony Qian/ Approved Signatory

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Dongguan BST Testing Co., Ltd.

A1201-1204 Xinsanqi of Dongbao Road, Dongcheng District,
Dongguan, Guangdong, China

Tel: 400-8829628/ 800-9990305

Http://www.bst-lab.com E-mail: christina@bst-lab.com



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Sample Description:

No.	Description	Material	Name
1	White Plastic	PP	Cap
2	White Plastic	ABS	Cap
3	Light Blue Plastic	AS	Kettle
4	Black Granule	Activated Carbon	Filter Column
5	Transparent Granule	Ion Exchange Resin	Filter Column
6	White Ceramic	Ceramic	Ceramic Ball
7	Metal	Magnesium	Filter Column
8	Cloth	Non-Woven Fabric	Filter Column

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Test Result: No.1

Test Method: As specified in FDA 21 CFR 177.1520.

Test item	Test method	Result	Limit
Density	ASTM D1505-68	0.899 g/cm ³	0.880-0.913 g/cm ³
Melting Point	ASTM D2117-82	163.9°C	160-180°C

Simulant Used	Test Condition	Result Total Migration (%)	Maximum Permissible Limit (%)
n-Hexane	2 hours at 25 °C	0.1	6.4
Dimethylbenzene	2 hours at 25 °C	0.3	9.8

Note: % = percent by weight

Test Result: No.2

Test Method: As specified in FDA CFR 21 181.32

Simulant Used	Test Condition	Acrylonitrile monomer extractives	Limit
deionized water	2 hours at reflux temperature	<0.001 mg/in ²	0.003mg/in ²
8 % alcohol	2 hours at reflux temperature	<0.001 mg/in ²	0.003mg/in ²
50 % alcohol	2 hours at reflux temperature	<0.001 mg/in ²	0.003mg/in ²
n-heptane	2 hours at reflux temperature	<0.001 mg/in ²	0.003mg/in ²

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Test Result: No.3

Test Method: As specified in FDA 21 CFR 177.1040

Test item	Simulant Used	Result	Limit
Acrylonitrile	Distilled Water	15ppm	80ppm

Test item	Simulant Used	Result	Limit
Nitrogen content	Distilled Water	18.1%	17.4%-19%

Simulant Used	Test Condition	Total nonvolatile extractives	Limit
deionized water	2 hours at reflux temperature	<0.01 mg/in ²	0.01 mg/in ²
8 % alcohol	2 hours at reflux temperature	<0.01 mg/in ²	0.01 mg/in ²
50 % alcohol	2 hours at reflux temperature	<0.01 mg/in ²	0.01 mg/in ²
n-heptane	2 hours at reflux temperature	<0.01 mg/in ²	0.01 mg/in ²

Test Result: No.4

Simulant Used	Test Condition	Total nonvolatile extractives	Limit
deionized water	2 hours at reflux temperature	<0.01 mg/in ²	0.01 mg/in ²
8 % alcohol	2 hours at reflux temperature	<0.01 mg/in ²	0.01 mg/in ²
50 % alcohol	2 hours at reflux temperature	<0.01 mg/in ²	0.01 mg/in ²

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n-heptane	2 hours at reflux temperature	<0.01 mg/in ²	0.01 mg/in ²
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Test Result: No.5

Test Method: As specified in FDA 21 CFR 173.25

Organic extractives

Simulant Used	Test Condition	Result(mg/kg)	Limit(mg/kg)
Water	50°C, 2 hr	<0.1	1
15% ethyl alcohol	50°C, 2 hr	<0.1	1
5% acetic acid	50°C, 2 hr	<0.1	1

Note: % = percent by weight

Test Item	Test Method	MDL	Result
Bisphenol A	EPA3550C:2007, EPA8270D:2007	0.5 mg/kg	N.D.

Test Result: No.6

Test Method: As specified in FDA/ORA CPG 7117.06/07

Test item	Simulant Used	Test Condition	Result(mg/ml)	Limit (mg/ml)
Pb	4 % acetic acid	24 hours at 20 to 24 °C	<0.2	1.0

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Cd	4 % acetic acid	24 hours at 20-24 °C	<0.05	0.25
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Test Result: No.7

Test Method: As specified in FDA 21 CFR 175.300

Simulant Used	Test Condition	Result	Maximum Permissible
		Total Migration(mg/in ²)	Limit (mg/in ²)
Heptane	120 °F, 2 h	0.4	1.8
8% alcohol	70 °F, 2 h	0.2	1.8
Water	170 °F, 2 h	0.2	1.8

Test Result: No.8

Test Method: As specified in FDA 21 CFR 175.300

Simulant Used	Test Condition	Result	Maximum Permissible
		Total Migration(mg/in ²)	Limit (mg/in ²)
Heptane	120 °F, 2 h	0.5	1.8
8% alcohol	70 °F, 2 h	0.4	1.8
Water	170 °F, 2 h	0.3	1.8

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Sample Photo:



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