



Test Report

Report No. : WTH19H01003965C-12

Date: Feb. 15, 2019

Page 1 of 4

Applicant: BAREBONES SYSTEMS, LLC.

Address: 1215 East Wilmington Avenue - Ste. 140 Salt Lake City, UT 84106

Report on the submitted sample(s) said to be:

Sample Name: Wine Glass

Sample Description: Transparent plastic

Sample Material: Tritan

Sample No.: WTH19H01003965C04

Sample Received Date: Feb. 11, 2019

Testing Period: Feb. 11, 2019 - Feb. 15, 2019

Test Method: Please refer to the following page(s).

Test Result: Please refer to the following page(s).

Test Requested:	Conclusion
As specified by client, with reference to European Commission Regulation (EU) No 10/2011& (EC) No 1935/2004, to determine the submitted sample:	
-Overall migration	PASS
-Specific migration of Heavy metals	PASS
-Phthalates (DBP, BBP, DEHP, DINP, DIDP) Content	PASS
-Specific migration for Bisphenol A	PASS

Signed for and on behalf of HCT

Daniel Li

Daniel Li



Test Report

Report No. : WTH19H01003965C-12

Date: Feb. 15, 2019

Page 2 of 4

Test Result(s):

1. Overall migration

Test method: EN1186-9:2002 for overall migration into aqueous food simulants by total immersion. Unit: mg/kg

Test Item(s)	Test Condition	MDL	Result(s)	Maximum Permissible Limit
20% Ethanol	70°C for 2 hour	5	N.D.	60

Note:

mg/kg=ppm= parts per million

MDL=Method Detection Limit

N.D.=Not Detected(less than method detection limit)

2. Specific migration of Heavy metals

Test method: The sample preparation is performed according to EN 13130-1:2004. The determination of amounts of metals that were released is done via ICP-OES with reference to ISO 11885:2007.

Simulant Used: 3% Acetic Acid (W/V) Aqueous solution

Unit: mg/kg

Test Item(s)	Test Condition	MDL	Result(s)	Maximum Permissible Limit
Barium Migration	70°C for 2 hour	0.1	N.D.	1
Cobalt Migration		0.01	N.D.	0.05
Copper Migration		0.1	N.D.	5
Iron Migration		1	N.D.	48
Lithium Migration		0.05	N.D.	0.6
Manganese Migration		0.05	N.D.	0.6
Zinc Migration		1	N.D.	5
Nickel Migration		0.01	N.D.	0.02
Aluminum Migration		0.1	N.D.	1

Note:

mg/kg=ppm= parts per million

N.D.=Not Detected(less than method detection limit)

MDL=Method Detection Limit



Test Report

Report No. : WTH19H01003965C-12

Date: Feb. 15, 2019

Page 3 of 4

3. Phthalates (DBP, BBP, DEHP, DINP, DIDP) Content

Test Method: EN 14372:2004

Unit: %

Test Items	CAS No.	MDL	Content	Maximum Permissible Limit
Dibutyl phthalate (DBP)	84-74-2	0.003	N.D.	0.05
Butylbenzyl phthalate (BBP)	85-68-7	0.003	N.D.	0.1
Di-(2-ethylhexyl) Phthalate(DEHP)	117-81-7	0.003	N.D.	0.1
Di-isononyl phthalate (DINP)	28553-12-0,68515-48-0	0.01	N.D.	0.1
Di-isodecyl phthalate (DIDP)	26761-40-0,68515-49-1	0.01	N.D.	0.1

Note:

0.1%=1000 mg/kg

mg/kg=ppm= parts per million

MDL=Method Detection Limit

N.D.=Not Detected(less than method detection limit)

4. Specific migration for Bisphenol A

Test method: With reference to EN13130-1:2004

Condition: 70℃ for 2 hour

Limit: Commission Regulation (EU) No 10/2011 and amendments

Unit: mg/kg

Test Item(s)	Simulant	MDL	Result(s)	Maximum Permissible Limit
Specific migration for Bisphenol A	3% Acetic Acid (W/V) Aqueous solution	0.05	N.D.	0.05

Note:

mg/kg=ppm= parts per million

MDL=Method Detection Limit

N.D.=Not Detected(less than method detection limit)



Test Report

Report No. : WTH19H01003965C-12

Date: Feb. 15, 2019

Page 4 of 4

The photo of the sample



End

This report will go into effect with HCT stamp. This report could not be revised. This report is only responsible for the test result of submitted samples. Without written authorization, any copy of this report for propaganda is invalid.

