

TEST REPORT

APPLICANT :
ADDRESS :
SAMPLE DESCRIPTION : Wine Tumbler
ITEM NO. : AS24GWPMDSSET
MATERIAL NO. : SS304/AS
P.O. NO. : 33597
PRODUCT MATERIAL : SS304/AS/SILICONE RING
MANUFACTURER : Zhejiang Daian Commodity Co., Ltd.
No.2-1, Liuzhai, Shenbai Road, Niubeijin Industrial Zone,
Baiyang Street, Wuyi County, Jinhua City, Zhejiang Province,
China 321299
BUYER :
COUNTRY OF ORIGIN : China
COUNTRY OF DESTINATION : USA
SAMPLE RECEIVED DATE : 22-Jan-2024
TURN AROUND TIME : 22-Jan-2024 to 31-Jan-2024

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Total Extractives by Migration	21 CFR 177.1210	Pass
Chloroform-Soluble Extractives	21 CFR 177.1210	Pass
Total Chromium Content	NSF/ANSI 51-2021	Pass
Acrylonitrile Monomer	21 CFR 181.32	Pass

Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to info.sh@eurofins.com and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to chinacomplaint@eurofins.com and referring to this report number.



***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

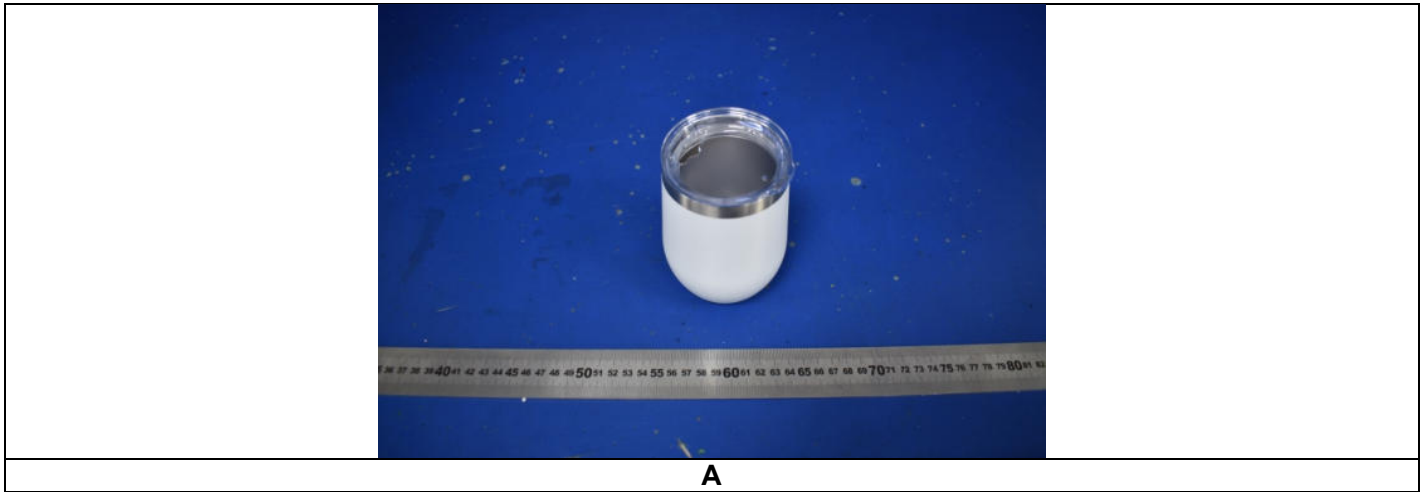
Signed for and on behalf of
Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd.



Shen Wei Qiang, Louis
Manager, Analytical Division



SAMPLE PHOTO(S)



EFW524014846-CG-01

TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Sample No.
1	Silver stainless steel inner wall	A
2	Transparent AS lid	A
3	Transparent silicone sealing ring	A

TO BE CONTINUED

TEST RESULT

Total Extractives by Migration

Test Request: To determining the total extractives by migration for the compliance with FDA regulations.

Test Method: As specified in FDA 21 CFR 177.1210

Simulant Used	Time	Temperature	Unit	Limit	Result
					3
Heptane	15min	120° F	mg/kg	50	ND
Distilled Water	Fill boiling cool to 100° F	100° F	mg/kg	50	ND

Remark:

mg/kg = milligram per kilogram

ND = Not detected, less than 10 mg/kg

Test simulant was specified by client.

If total extractives does not exceed the specification, no need for chloroform-soluble extractives.

Total Chromium Content

Test Request: Total chromium content as specified in NSF/ANSI 51-2021, section 4.2.1.2

Test Method: Acid digestion, followed by analysis using ICP-OES

Test Item(s)	Unit	Limit	MDL	Result
				1
Chromium (Cr)	%	≥16	0.01	19.61

Remark:

MDL = method detection limit

ND = Not detected, less than MDL

Stainless steel with a chromium content of less than 16% may be used for cutlery, blades, and similar applications requiring a sharp edge, provided that the alloy has been hardened or tempered by an appropriate post-heat treatment process.

TO BE CONTINUED

TEST RESULT

Acrylonitrile Monomer

Test Request: To determining the acrylonitrile monomer for the compliance with FDA regulations.

Test Method: As specified in FDA 21 CFR 181.32

Simulant Used: Water

Test Condition: 24h at 120° F

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					2
Acrylonitrile	107-13-1	mg/in ²	0.003	0.001	ND

Simulant Used: 8% Ethanol

Test Condition: 24h at 120° F

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					2
Acrylonitrile	107-13-1	mg/in ²	0.003	0.001	ND

Simulant Used: 50% Ethanol

Test Condition: 24h at 120° F

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					2
Acrylonitrile	107-13-1	mg/in ²	0.003	0.001	ND

Simulant Used: 3% Acetic Acid

Test Condition: 24h at 120° F

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					2
Acrylonitrile	107-13-1	mg/in ²	0.003	0.001	ND

Simulant Used: n-Heptane

Test Condition: 24h at 120° F

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					2
Acrylonitrile	107-13-1	mg/in ²	0.003	0.001	ND

TO BE CONTINUED

TEST RESULT

Remark:

mg/in² = milligram per square inch

mg/l = milligram per liter

MDL = method detection limit

ND = Not detected, less than MDL

Test condition & simulant were specified by client.

END OF THE REPORT