

Test Report

No.: 70.431.22.31996.01

Date: 2022-10-10



PACIFIC MARKET INTERNATIONAL
/

ATTN: FRED WU
CC: /

LAB LOCATION: SHANGHAI

DATE IN: Sep 19, 2022
MOD. LOG IN: Sep 30, 2022
DATE OUT: Oct 10, 2022
REVISED DATE: /
WORKING DAYS: 4

OVERALL RATING

PASS	X
FAIL	
DATA	

SAMPLE INFORMATION

Project Name	STAN CLASSIC 8OZ FLASK BATTLECREEK - CREAM GLOSS; STAN CLASSIC 12OZ MUG GRAYLAND - VAC MUG W STEEL HANDLE - CHARCOAL GLOW; STAN CLASSIC 12OZ MUG GRAYLAND - VAC MUG W STEEL HANDLE - CREAM GLOSS; STAN CLASSIC POUR OVER BREW SYSTEM FOR MUGS AND BOTTLES LIGHTHOUSE - CREAM GLOSS				Sample Description
Sample Request Form No.	032696				
Item No.	20-00812-046 20-02573-029 20-02573-033 20-02620-012				
Lot No.	/				
Manufacturer	ZHEJIANG HAERS VACUUM CONTAINERS CO., LTD				
Country of Distribution	NORTH AMERICA				
Country of Origin	CHINA				
Product Brand Code	STAN				
Reoccurring Test Code	SMU				
Color	/				
SKU Number	/				
Re-test	Yes:		No:	X	
Charge Vendor	Yes:		No:	X	
Previous Report No.	/				

STAN CLASSIC 8OZ FLASK BATTLECREEK - CREAM GLOSS 1. BODY: CAP BODY (PP 3080): CREAM 11-0606 TPG/CAP SEAL (SILICONE KE-941U): BLACK/ THREADED NECK&COLLAR CAP&OUTER&BASE CAP: SUS304: CREAM GLOSS: 11- 0606TPG
STAN CLASSIC 12OZ MUG GRAYLAND - VAC MUG W STEEL HANDLE - CHARCOAL GLOW 1. BODY: LINER (SS): SUS304/LID (TRITAN TX1001): BLACK TRANSPARENT/LID SEAL (SILICONE KE-951U): BLACK: CHARCOAL GLOW: 19- 0203TPG

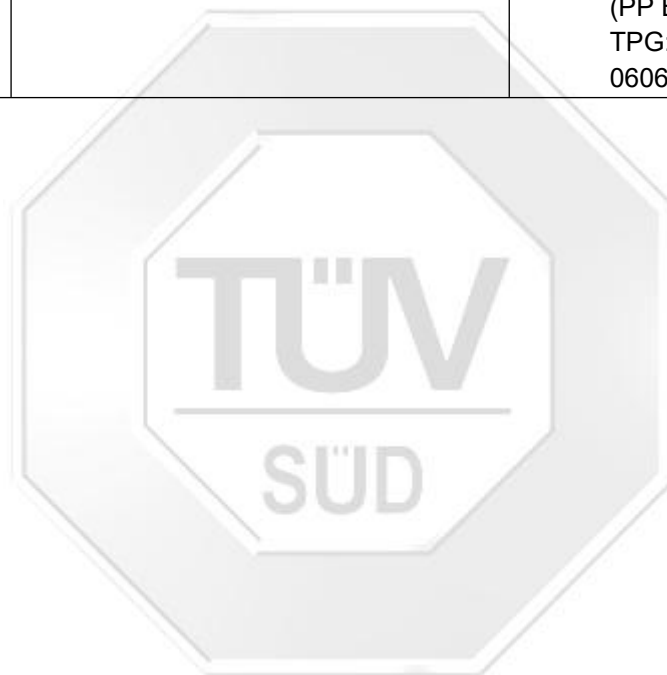
Test Report

No.: 70.431.22.31996.01

Date: 2022-10-10



		<p>STAN CLASSIC 12OZ MUG GRAYLAND - VAC MUG W STEEL HANDLE - CREAM GLOSS</p> <p>1. BODY: LINER SS: SUS304/LID (TRITAN TX1001): TOFU 11- 4801TPG/LID SEAL (SILICONE KE-951U): CLEAR: CREAM GLOSS: 11-0606TPG</p> <p>STAN CLASSIC POUR OVER BREW SYSTEM FOR MUGS AND BOTTLES LIGHTHOUSE - CREAM GLOSS</p> <p>1. BODY: BODY (SS): SUS304/ SCREW CAP SEAL (SILICONE _KE-941U): BLACK/SCREW CAP (PP BU510): CREAM 11-0606 TPG: CREAM GLOSS: 11- 0606TPG</p>
--	--	--



Test Report**No.: 70.431.22.31996.01****Date: 2022-10-10****SUMMARY OF TEST RESULTS**

TEST REQUIRED	PASS	FAIL	DATA	REMARK
1.Washability Test for Painted products that are Dishwasher Safe (for testing durability of product with surface paint or printing)	X			See test results
2.Washability Test All "Dishwasher Safe" Items	X			See test results
3.Washability Test for Painted products that are Hand Wash Only	X			See test results
4.Logo/Artwork Adhesion test: Tape Method	X			See test results
5.Sunscreen/Lotion Resistance Test (Silk screen printed products only)	X			See test results
6.Total Lead Content -16 CFR Part 1303, Lead of Paint	X			See test results
7.Total Cadmium Content			X	See test results
8.Total Bisphenol A (BPA) Content	X			See test results
9.Leachable Lead and Cadmium- with reference to in US FDA CPG 7117.06-Section 545.400 and 7117.07-Section 545.450	X			See test results
10.Leachable Lead and Cadmium (interior)- with reference to US California Proposition 65	X			See test results
11.Test for compliance with the selected requirement(s) in US FDA 21 CFR Part 177.1520	X			See test results
12.Test for compliance with the selected requirement(s) in US FDA 21 CFR Part 177.1210	X			See test results

- Remarks:
1. MDL = Method Detection Limit
 2. ND = Not Detected (<MDL)
 3. <= Less than
 4. 1 mg/kg = 1 ppm = 0.0001%
 5. The sample(s) was (were) submitted by applicant and identified.
 6. The client specified the test items and test methods.

Test Report

No.: 70.431.22.31996.01

Date: 2022-10-10



TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
Testing Center

Prepared by:

Rainie Dai



Authorized by:

Vivian Xi

Rainie Dai
Reporting Representative

Vivian Xi
Technical Supervisor

Note:

- (1) The TÜV SÜD Certification and Testing (China) Co., Ltd. "General Terms & Conditions" applied.
Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.
For further details, please see "Testing and certification regulation", chapter A-3.4
For full version, please visit: EN : <https://www.tuvsud.cn/zh-cn/resource/terms-and-conditions---en> ; SCN: <https://www.tuvsud.cn/zh-cn/terms-and-conditions> ; TCN: <https://www.tuvsud.com/zh-tw/terms-and-conditions>
- (2) The results relate only to the Items tested.
- (3) The test report shall not be reproduced except in full without the written approval of the laboratory
- (4) Disclaimer Measurement Uncertainty:
Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.



Test Report

No.: 70.431.22.31996.01

Date: 2022-10-10



Description of Tested Subject:

Sample	Description	Photo
A-D	STAN CLASSIC 8OZ FLASK BATTLECREEK - CREAM GLOSS	
	STAN CLASSIC 12OZ MUG GRAYLAND - VAC MUG W STEEL HANDLE - CHARCOAL GLOW	
	STAN CLASSIC 12OZ MUG GRAYLAND - VAC MUG W STEEL HANDLE - CREAM GLOSS	
	STAN CLASSIC POUR OVER BREW SYSTEM FOR MUGS AND BOTTLES LIGHTHOUSE - CREAM GLOSS	

Specimen Description

001	Transparent black color plastic lid Tritan TX1001
002	Tofu white color 11-4801TPG plastic lid Tritan TX1001
003	Cream color 11-0606 TPG plastic cap body PP 3080
004	Cream color 11-0606 TPG plastic screw cap PP BU510
005	Black color silicone lid seal ring of 8oz flask KE-941U
006	Black color silicone lid seal ring of 12oz grayland KE-951U
007	Translucent color silicone lid seal ring of 12oz grayland KE-951U
008	Black color silicone screw cap seal ring of lighthouse KE-941U
009	Cream color 11-0606 TPG coating with logo decoration on body (exterior)
010	Charcoal grey color 19-0203 TPG coating with logo decoration on body (exterior)
011	Cream color 11-0606 TPG coating (Body)
012	Grey color 16-5803 TPG coating (Logo)

Test Report

No.: 70.431.22.31996.01

Date: 2022-10-10



Test Result(s):

Test items	Test method	Requirement	Sample size	Test result	Verdict
1. Washability Test for Painted products that are Dishwasher safe (for testing durability of product with surface paint or printing)	PMI Method	Dishwasher Test: The product must resist (5 Stanley) dishwasher cycles on bottom rack in a standard household dishwasher at a temperature between 65°C-80°C (149°-176°F) using standard powered powder for a full wash, rinse and dry cycle time for approximately 90 min. See approval requirements tab for number of cycles. Result Criteria: Note noticeable color changes; peeling of paint or logo is not allowed. No distorting, cracking or chipping of paint is acceptable.	3pcs/ style	B-D: Comply	P
		Post-Washing X-Hatch testing (SS Only): When samples are dry, must pass paint adhesion testing using the Tape Method after dishwasher testing (ASTM 3359-02, Method B). Passing classification (or grade): 4B (for liquid paint) 5B (for powder coat).	3pcs/ style	B-D: Comply Grade:5B	P
2. Washability Test All "Dishwasher Safe" Items	PMI Method	Dishwasher Test: The product must resist (25 Stanley) dishwasher cycles on bottom rack in a standard household dishwasher at a temperature between 65°C-80°C (149° - 176°F) using Cascade powder detergent (not Cascade Complete) for a full wash, rinse and dry cycle time for approximately 90 minutes. 20-25g(0.71-88oz) of detergent must be used for 18.9-22.7L(5-6gal) of total water consumption; pre-rinse, wash and rinse. The product should be placed in the dishwasher upside-down, with the mouth of the product facing the bottom of the dishwasher Result Criteria: Functionality: Body and lid must assemble and function properly after DW. No noticeable color changes are allowed. No distorting, cracking or leaking between liner and outer, or base and outer is acceptable. Decoration, peeling of paint or logo is not allowed.	3pcs/ style	B-D: Comply	P

Test Report

No.: 70.431.22.31996.01

Date: 2022-10-10



Test items	Test method	Requirement	Sample size	Test result	Verdict
3.Washability Test for Painted products that are Hand Wash Only	PMI Method	Hand Wash Only: Immerse unit in a bath of 5g/L (0.67oz/gal) solution of water and household dishwashing liquid soap. Water must be at 43.3°±5°C (110°±5°F). Submerge for 1-2 min. Rinse in clean water at 35°C-40°C (95°F-104°F) for 10 sec. Results Criteria: No chipping, peeling, fading, spotting or color change is allowable. Repeat 50 times. Allow unit to air dry for 24 hrs before final examination.	3pcs	A: Comply	P
		Post-Washing X-Hatch testing (SS Only): When samples are dry, must pass paint adhesion testing using the Tape Method after dishwasher testing (ASTM 3359-02, Method B). Passing classification (or grade): 4B (for liquid paint) 5B (for powder coat).	3pcs	A: Comply Grade:5B	P
4.Logo/Artwork Adhesion test: Tape Method	PMI Method	Apply tape (3M 610) to printed logos and/or Artwork; press down on tape with finger. Remove tape with one quick motion. Inspect tape.Results Criteria: No ink is allowed to come off on to tape.	3pcs/ style	A-D: Comply	P
5.Sunscreen/Lotion Resistance Test(Silk screen printed products only)	PMI Method	Spread a layer of sunscreen with an SPF of 30 or greater onto the surface of the product. Allow the product to sit at room temperature, 18°-24°C (64°-75.2°F), for 30 minutes.Wipe the sunscreen away with a dry paper towel, applying ~1 Kg.f (2.2 lb.f) perpendicular to the surface. Wipe for at least 50mm down the length of the body and back.Repeat wiping motion for 10 strokes. Result Criteria: No ink is allowed to come off onto the paper towel and print must not be tacky/sticky. [Note results for non-screen printed inks/paints]	3pcs/ style	A-D: Comply	P

Abbreviation: P = Pass ;

6. Total Lead Content -16 CFR Part 1303, Lead of Paint

Test with reference to CPSC-CH-E1003-09.1, determination by ICP-OES/ICP-MS.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
009	mg/kg	10.0	90	<10.0	Pass
010	mg/kg	10.0	90	<10.0	Pass

7. Total Cadmium Content

Test with reference to EPA 3051A:2007, determination by ICP-OES/ICP-MS.

Sample	Unit	MDL	Result(s)
009	mg/kg	2	<2
010	mg/kg	2	<2

8. Total Bisphenol A (BPA) Content

Test with reference to in house method, determination by LC-MS-MS

Compound	CAS No.	Unit	MDL	Limit	Result
Bisphenol A	80-05-7	mg/kg	0.1	<0.1	001
Conclusion					Pass

Compound	CAS No.	Unit	MDL	Limit	Result
Bisphenol A	80-05-7	mg/kg	0.1	<0.1	002
Conclusion					Pass

Compound	CAS No.	Unit	MDL	Limit	Result
Bisphenol A	80-05-7	mg/kg	0.1	<0.1	003
Conclusion					Pass

Compound	CAS No.	Unit	MDL	Limit	Result
Bisphenol A	80-05-7	mg/kg	0.1	<0.1	004
Conclusion					Pass

Compound	CAS No.	Unit	MDL	Limit	Result
Bisphenol A	80-05-7	mg/kg	0.1	<0.1	005
Conclusion					Pass

Test Report**No.: 70.431.22.31996.01****Date: 2022-10-10**

Compound	CAS No.	Unit	MDL	Limit	Result
					006
Bisphenol A	80-05-7	mg/kg	0.1	<0.1	<0.1
Conclusion					Pass

Compound	CAS No.	Unit	MDL	Limit	Result
					007
Bisphenol A	80-05-7	mg/kg	0.1	<0.1	<0.1
Conclusion					Pass

Compound	CAS No.	Unit	MDL	Limit	Result
					008
Bisphenol A	80-05-7	mg/kg	0.1	<0.1	<0.1
Conclusion					Pass

Compound	CAS No.	Unit	MDL	Limit	Result
					010
Bisphenol A	80-05-7	mg/kg	0.1	<0.1	<0.1
Conclusion					Pass

Compound	CAS No.	Unit	MDL	Limit	Result
					011
Bisphenol A	80-05-7	mg/kg	0.1	<0.1	<0.1
Conclusion					Pass

Compound	CAS No.	Unit	MDL	Limit	Result
					012
Bisphenol A	80-05-7	mg/kg	0.1	<0.1	<0.1
Conclusion					Pass

Remark: 1. Limit was according to client's requirement

Test Report

No.: 70.431.22.31996.01

Date: 2022-10-10



9. Leachable Lead and Cadmium- with reference to in US FDA CPG 7117.06-Section 545.400 and 7117.07-Section 545.450

Test with reference to AOAC 973.32, determination by ICP-OES/AAS.

Test Sample No.	Extract Volume [mL]	Result [µg/mL]	
		001	
		Leachable lead	Leachable cadmium
1	200	<0.05	<0.01
2	200	<0.05	<0.01
3	200	<0.05	<0.01
4	200	<0.05	<0.01
5	200	<0.05	<0.01
6	200	<0.05	<0.01
Limit		3.0	0.5
Conclusion		Pass	Pass

Test Sample No.	Extract Volume [mL]	Result [µg/mL]	
		002	
		Leachable lead	Leachable cadmium
1	200	<0.05	<0.01
2	200	<0.05	<0.01
3	200	<0.05	<0.01
4	200	<0.05	<0.01
5	200	<0.05	<0.01
6	200	<0.05	<0.01
Limit		3.0	0.5
Conclusion		Pass	Pass

Test Sample No.	Extract Volume [mL]	Result [µg/mL]	
		003	
		Leachable lead	Leachable cadmium
1	100	<0.05	<0.01
2	100	<0.05	<0.01
3	100	<0.05	<0.01
4	100	<0.05	<0.01
5	100	<0.05	<0.01
6	100	<0.05	<0.01
Limit		3.0	0.5
Conclusion		Pass	Pass

Test Report

No.: 70.431.22.31996.01

Date: 2022-10-10



Test Sample No.	Extract Volume [mL]	Result [µg/mL]	
		004	
		Leachable lead	Leachable cadmium
1	150	<0.05	<0.01
2	150	<0.05	<0.01
3	150	<0.05	<0.01
4	150	<0.05	<0.01
5	150	<0.05	<0.01
6	150	<0.05	<0.01
Limit		3.0	0.5
Conclusion		Pass	Pass

Note:

1. µg/mL denotes microgram per milliliter
2. Specification is quoted from US FDA CPG 7117.06-Section 545.400 and 7117.07-Section 545.450

Category	Definition	Limit of Lead [µg/mL]	Limit of Cadmium [µg/mL]
Flatware	Ceramic articles which have an internal depth as measured from the lowest point to the horizontal plane passing through the upper rim, that does not exceed 25 mm.	< 3.0	< 0.5
Small Hollowware	Ceramic articles which have an internal depth measured from the lowest point to the horizontal plane passing through the upper rim, greater than 25 mm, a capacity of less than 1.1 liter.	< 2.0	< 0.5
Large Hollowware other than pitchers	Ceramic articles which have an internal depth measured from the lowest point to the horizontal plane passing through the upper rim, greater than 25 mm, a capacity of 1.1 liter or more.	< 1.0	< 0.25
Cups /Mugs	Small ceramic hollowware vessels commonly used for consumption of beverages, for example, coffee or tea at above room temperature. Cups and mugs normally, but not exclusively, have a capacity of about 240 mL or 8 fl. oz. and are manufactured with a handle. Cups normally have a base and curved sides while a mug has cylindrical sides.	< 0.5	-
Pitchers	Large ceramic hollowware vessels (sometimes known as jugs) commonly used for the storage and dispensing of fruit and vegetable juices or other acidic beverages at or below room	< 0.5	-

	temperature which are normally manufactured without a lid but with a handle and lip spout. For the purpose of this guideline, creamers, coffeepots, and teapots are not considered to be pitchers. Depending on capacity, creamers, coffeepots and teapots will be considered small or large hollowware.		
--	--	--	--

10. Leachable Lead and Cadmium (interior)- with reference to US California Proposition 65

Test with reference to AOAC 973.32, determination by ICP-OES/AAS.

Test Sample No.	Extract Volume [mL]	Result [ppm]	
		001	
		Leachable lead	Leachable cadmium
1	200	<0.05	<0.01
2	200	<0.05	<0.01
3	200	<0.05	<0.01
4	200	<0.05	<0.01
5	200	<0.05	<0.01
6	200	<0.05	<0.01
7	200	<0.05	<0.01
8	200	<0.05	<0.01
9	200	<0.05	<0.01
10	200	<0.05	<0.01
11	200	<0.05	<0.01
12	200	<0.05	<0.01
Limit		0.226	1.853
Conclusion		Pass	Pass

Test Report

No.: 70.431.22.31996.01

Date: 2022-10-10



Test Sample No.	Extract Volume [mL]	Result [ppm]	
		002	
		Leachable lead	Leachable cadmium
1	200	<0.05	<0.01
2	200	<0.05	<0.01
3	200	<0.05	<0.01
4	200	<0.05	<0.01
5	200	<0.05	<0.01
6	200	<0.05	<0.01
7	200	<0.05	<0.01
8	200	<0.05	<0.01
9	200	<0.05	<0.01
10	200	<0.05	<0.01
11	200	<0.05	<0.01
12	200	<0.05	<0.01
Limit		0.226	1.853
Conclusion		Pass	Pass

Test Sample No.	Extract Volume [mL]	Result [ppm]	
		003	
		Leachable lead	Leachable cadmium
1	100	<0.05	<0.01
2	100	<0.05	<0.01
3	100	<0.05	<0.01
4	100	<0.05	<0.01
5	100	<0.05	<0.01
6	100	<0.05	<0.01
7	100	<0.05	<0.01
8	100	<0.05	<0.01
9	100	<0.05	<0.01
10	100	<0.05	<0.01
11	100	<0.05	<0.01
12	100	<0.05	<0.01
Limit		0.226	1.853
Conclusion		Pass	Pass

Test Report

No.: 70.431.22.31996.01

Date: 2022-10-10



Test Sample No.	Extract Volume [mL]	Result [ppm]	
		004	
		Leachable lead	Leachable cadmium
1	150	<0.05	<0.01
2	150	<0.05	<0.01
3	150	<0.05	<0.01
4	150	<0.05	<0.01
5	150	<0.05	<0.01
6	150	<0.05	<0.01
7	150	<0.05	<0.01
8	150	<0.05	<0.01
9	150	<0.05	<0.01
10	150	<0.05	<0.01
11	150	<0.05	<0.01
12	150	<0.05	<0.01
Limit		0.226	1.853
Conclusion		Pass	Pass

Note: 1. The limit is referred to the requirement as stated in SFSC Case No. 938430.

11. Test for compliance with the selected requirement(s) in US FDA 21 CFR Part 177.1520

Test with reference to US FDA 21 CFR Part 177.1520.

Test items	Result(s)	Maximum Permissible Limit	Conclusion
	003		
Density at 23°C (g/cc)	0.902	0.85-1.00	Pass
n-Hexane extractives at 50 °C 2 hours w/w, (%)	<0.5	5.5	Pass
Xylene extractives at 25 °C w/w, (%)	9.9	30	Pass

Test items	Result(s)	Maximum Permissible Limit	Conclusion
	004		
Density at 23°C (g/cc)	0.899	0.85-1.00	Pass
n-Hexane extractives at 50 °C 2 hours w/w, (%)	0.6	5.5	Pass
Xylene extractives at 25 °C w/w, (%)	9.7	30	Pass

Test Report

No.: 70.431.22.31996.01

Date: 2022-10-10

12. Test for compliance with the selected requirement(s) in US FDA 21 CFR Part 177.1210
Test with reference to US FDA CFR 21 Part 177.1210.

Simulant used	Test Condition	Limit [mg/kg]	Result(s) [mg/kg]	Conclusion
			005	
Chloroform extractive in Distilled water	Fill boiling and cool to 100°F	50	5.3	Pass
Chloroform extractive in 8% ethanol	150°F, 2 hours	50	<5	Pass
Chloroform extractive in n-heptane	120°F, 15 mins	50	<5	Pass

Simulant used	Test Condition	Limit [mg/kg]	Result(s) [mg/kg]	Conclusion
			006	
Chloroform extractive in Distilled water	Fill boiling and cool to 100°F	50	<5	Pass
Chloroform extractive in 8% ethanol	150°F, 2 hours	50	<5	Pass
Chloroform extractive in n-heptane	120°F, 15 mins	50	11.4	Pass

Simulant used	Test Condition	Limit [mg/kg]	Result(s) [mg/kg]	Conclusion
			007	
Chloroform extractive in Distilled water	Fill boiling and cool to 100°F	50	<5	Pass
Chloroform extractive in 8% ethanol	150°F, 2 hours	50	5.4	Pass
Chloroform extractive in n-heptane	120°F, 15 mins	50	9.3	Pass

Simulant used	Test Condition	Limit [mg/kg]	Result(s) [mg/kg]	Conclusion
			008	
Chloroform extractive in Distilled water	Fill boiling and cool to 100°F	50	<5	Pass
Chloroform extractive in 8% ethanol	150°F, 2 hours	50	9.3	Pass
Chloroform extractive in n-heptane	120°F, 15 mins	50	8.7	Pass

-End of Test Report-