Test Report

No.: HTF22B00332 DATE: 2022/11/25

WAN CHAO LIFE TECHNOLOGY CO., LTD.
NO. 50-3, PIH-DAU-LI, TAMSUI DIST. NEW TAIPEI CITY TAIWAN

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

Sample Submitted By	:	WAN CHAO LIFE TECHNOLOGY CO., LTD.
Sample Description	:	STAINLESS STEEL VACUUM MUG
Sample Material	:	NO.1:STAINLESS STEEL, NO.2:SILICONE, NO.3:PP

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Sample Receiving Date	:	2022/11/11
Testing Period	:	2022/11/11 to 2022/11/25

Test Requested :

(1) As specified by client, the sample(s) was/were tested with reference to Technical Guide on Metals and alloys used in food contact materials of Council of Europe Resolution CM/Res(2013)9, Regulation (EC) No. 1935/2004. Please refer to the result table for testing item(s).

(2) As specified by client, the sample(s) was/were tested with reference to Council of Europe Resolution AP(2004) 5 and hence Article 3 of Regulation (EC) No 1935/2004. Please refer to the result table for testing item(s).

(3) As specified by client, the sample(s) was/were tested with reference to Regulation (EU) No. 10/2011 with amendments and hence Article 3 of Regulation (EC) No 1935/2004. Please refer to the result table for testing item(s).

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

Singh Hsiao / Asst. Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei

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Test Part Description

No.1 : SILVER COLORED METAL
No.2 : GRAY SILICONE
No.3 : BLACK PLASTIC LID

Test Result(s)

(1) PASS

Test Item(s)	Method	Unit	RL	Result No.1		7xSRL	SRL
				1st+2nd	3rd		
CM/Res (2013) 9 (0.5% citric acid, filling the object at boiling temp. and leave it for 24 h, repeated use)							
Magnesium (Mg)	With reference to EN 13130-1:2004, the analysis was performed by ICP-MS, ICP-OES.	mg/kg	5	n.d.	n.d.	-	-
Cadmium (Cd)		mg/kg	0.002	n.d.	n.d.	0.035	0.005
Iron (Fe)		mg/kg	0.25	0.587	n.d.	280	40
Vanadium (V)		mg/kg	0.005	n.d.	n.d.	0.07	0.01
Cobalt (Co)		mg/kg	0.001	n.d.	n.d.	0.14	0.02
Arsenic (As)		mg/kg	0.001	n.d.	n.d.	0.014	0.002
Copper (Cu)		mg/kg	0.1	n.d.	n.d.	28	4
Molybdenum (Mo)		mg/kg	0.02	n.d.	n.d.	0.84	0.12
Antimony (Sb)		mg/kg	0.02	n.d.	n.d.	0.28	0.04
Tin (Sn)		mg/kg	5	n.d.	n.d.	700	100
Lead (Pb)		mg/kg	0.005	n.d.	n.d.	0.07	0.01
Thallium (Tl)		mg/kg	0.0001	n.d.	n.d.	0.0007	0.0001
Aluminum (Al)		mg/kg	0.2	n.d.	n.d.	35	5
Beryllium (Be)		mg/kg	0.005	n.d.	n.d.	0.07	0.01
Silver (Ag)		mg/kg	0.03	n.d.	n.d.	0.56	0.08
Titanium (Ti)		mg/kg	0.05	n.d.	n.d.	-	-
Manganese (Mn)		mg/kg	0.25	n.d.	n.d.	12.6	1.8
Chromium (Cr)		mg/kg	0.1	n.d.	n.d.	1.75	0.25
Zinc (Zn)		mg/kg	1	n.d.	n.d.	35	5
Lithium (Li)		mg/kg	0.02	n.d.	n.d.	0.336	0.048
Barium (Ba)		mg/kg	0.25	n.d.	n.d.	8.4	1.2
Nickel (Ni)		mg/kg	0.05	n.d.	n.d.	0.98	0.14
Mercury (Hg)		mg/kg	0.002	n.d.	n.d.	0.021	0.003

Remark :

- The volume of simulant used : 0.25 L.

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(2) PASS

Test Item(s)	Method	Unit	RL	Result No.2			Limit
				1st	2nd	3rd	
Overall Migration (10% ethanol, 70°C, 2 h)	With reference to EN 1186: 2002.	mg/dm²	3	n.d.	n.d.	n.d.	10 (■1)
Stability				YES			-

(3) PASS

Test Item(s)	Method	Unit	RL	Result No.3			Limit
				1st	2nd	3rd	
Overall Migration (3% acetic acid, 70°C, 2 h)	With reference to EN 1186: 2002.	mg/dm²	3	n.d.	n.d.	n.d.	10 (■1)
Stability				YES			-

Remark :

- Stability trend is based on the result of the material from first to third migration test as per described in Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex V for repeated use articles.
- The compliance is based on the stability trend and 3rd migration result.
- (■1) Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.

Note:

1. mg/kg = ppm ; 0.1% = 1000 ppm
2. mg/dm² = milligram per square decimeter
3. RL = Reporting Limit
4. n.d. = Not Detected = Less than RL
5. SRL = Specific Release Limit
6. °C = degree Celsius
7. "-" = Not Regulated
8. Test condition & simulant were specified by client.
9. According to Council of Europe Resolution CM/Res(2013)9, the result from 3rd migration shall comply with the Specific Release Limit (SRL) and the sum of 1st and 2nd migration shall not exceed seven times of SRL for repeated use articles.
10. The report is invalid if it is partly reproduced or used.
11. The decision rule of the statements of conformity is following the ILAC G8:09/2019 by using the simple acceptance decision rule.

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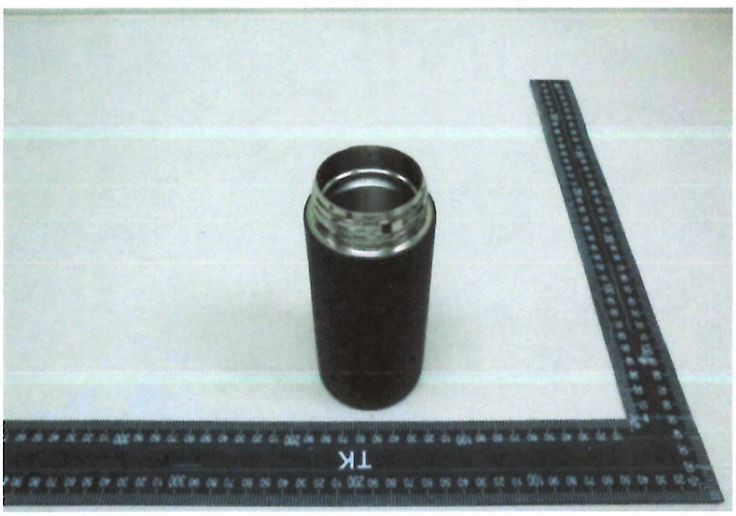
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*** The tested sample / part is marked by an arrow if it's shown on the photo. ***

HTF22B00332



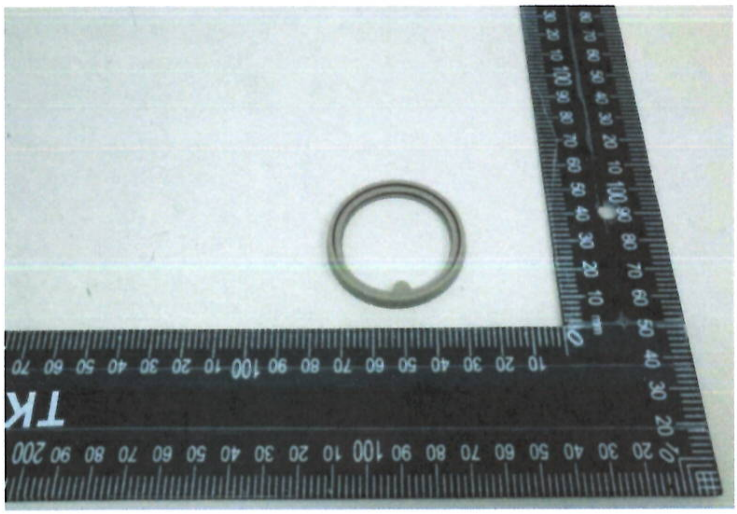
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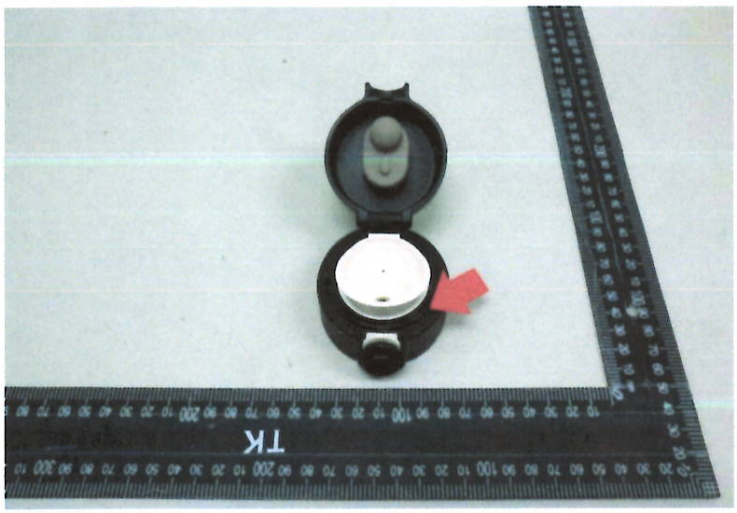
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HTF22B00332 NO.2



HTF22B00332 NO.3



**** End of Report ****

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