Signature Not Verified
For Question Please
Contact with SGS
www.sgs.com.tw

Test Report

No. : CT/2019/60881 Date : 2019/06/28

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
Sample Receiving Date	:	2019/06/19
Testing Period	:	2019/06/19 TO 2019/06/28

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Test Requested :

(1) As specified by client, the sample(s) was/were tested with reference to Regulation (EC) No 1935/2004, ResAP(2004)5 on silicones products intended to come into contact with foodstuffs. Please refer to result table for testing item(s).

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

(3) 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, LFGB Section 30 & 31, Regulation (EC) No. 1935/2004. Please refer to result table for testing item(s).

Test Result(s) : Please refer to following pages.

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

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Test Result(s)

PART NAME No.1 : METAL MUG (FOOD CONTACT SIDE)
PART NAME No.2 : BROWN SILICONE
PART NAME No.3 : WHITE PLASTIC

(1) **PASS**

Test Item(s)	Unit	Method	MDL	Result			Limit
				No.1	No.2	No.3	
Overall migration (10% Ethanol) (3rd migration)	mg/dm²	With reference to EN 1186 (2002). (70℃, 2 hr)	3.0	---	n.d.	---	10

(2) **PASS**

Test Item(s)	Unit	Method	MDL	Result			Limit
				No.1	No.2	No.3	
Overall migration (3% Acetic Acid) (3rd migration)	mg/dm²	With reference to EN 1186 (2002). (70℃, 2 hr)	3.0	---	---	n.d.	10

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Test method : With reference to EN 13130-1 (2004). Analysis was performed by ICP-MS, ICP-AES.

(3) **PASS**

Test Item(s)	Unit	RL	Result No.1		7 x SRL	SRL
			1st + 2nd Migration	3rd Migration		
Extractable heavy metals					0	
Aluminum (Al)	mg/kg	0.2	n.d.	n.d.	35	5
Antimony (Sb)	mg/kg	0.02	n.d.	n.d.	0.28	0.04
Arsenic (As)	mg/kg	0.001	n.d.	n.d.	0.014	0.002
Barium (Ba)	mg/kg	0.25	n.d.	n.d.	8.4	1.2
Beryllium (Be)	mg/kg	0.005	n.d.	n.d.	0.07	0.01
Cadmium (Cd)	mg/kg	0.002	n.d.	n.d.	0.035	0.005
Chromium (Cr)	mg/kg	0.1	n.d.	n.d.	1.75	0.25
Cobalt (Co)	mg/kg	0.01	n.d.	n.d.	0.14	0.02
Copper (Cu)	mg/kg	0.1	n.d.	n.d.	28	4
Lead (Pb)	mg/kg	0.005	n.d.	n.d.	0.07	0.01
Lithium (Li)	mg/kg	0.02	n.d.	n.d.	0.336	0.048
Iron (Fe)	mg/kg	0.25	0.308	n.d.	280	40
Manganese (Mn)	mg/kg	0.25	n.d.	n.d.	12.6	1.8
Mercury (Hg)	mg/kg	0.002	n.d.	n.d.	0.021	0.003
Molybdenum (Mo)	mg/kg	0.02	n.d.	n.d.	0.84	0.12
Nickel (Ni)	mg/kg	0.05	n.d.	n.d.	0.98	0.14
Silver (Ag)	mg/kg	0.03	n.d.	n.d.	0.56	0.08
Thallium (Tl)	mg/kg	0.0001	n.d.	n.d.	0.0007	0.0001
Vanadium (V)	mg/kg	0.005	n.d.	n.d.	0.07	0.01
Titanium (Ti)	mg/kg	0.05	n.d.	n.d.	-	-
Tin (Sn)	mg/kg	5	n.d.	n.d.	700	100
Zinc (Zn)	mg/kg	1	n.d.	n.d.	35	5
Magnesium (Mg)	mg/kg	5	n.d.	n.d.	-	-

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Remark :

- Test condition & simulant were specified by client: 0.5% citric acid in aqueous solution, Boiling for 24hrs
- The volume of simulant used was 0.32 L
- SRL = Specific Release Limit
- 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.

Note :

1. mg/kg = ppm ; mg/dm² = milligram per square decimeter ;
2. MDL = Method Detection Limit ; RL = Reporting Limit
3. n.d. = Not Detected = below RL / MDL
4. "---" = Not Conducted
5. - = Not Regulated
6. ℃ = degree Celsius
7. Test condition & simulant were specified by client.

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

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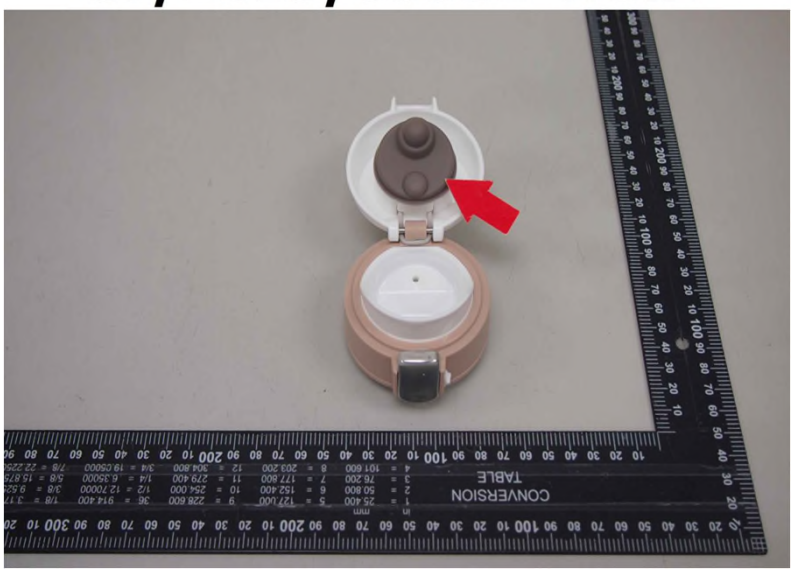
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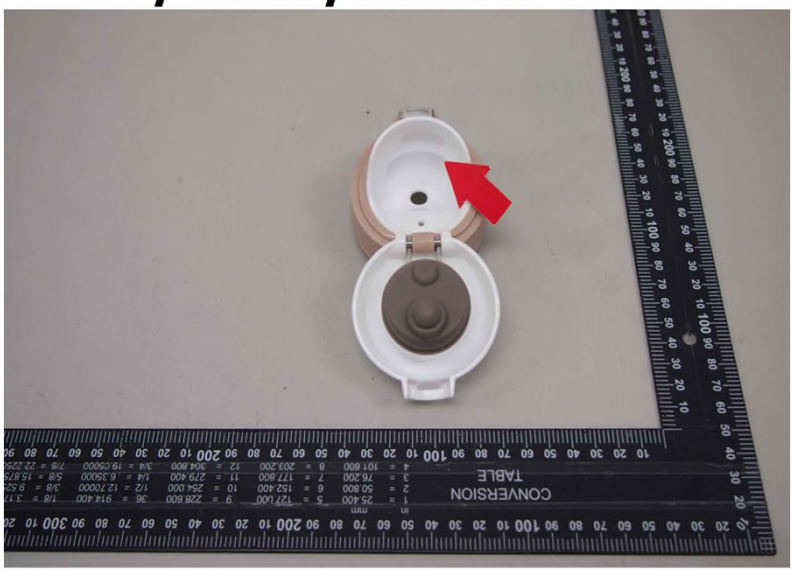
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CT/2019/60881 NO.2



CT/2019/60881 NO.3



** End of Report **

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