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# Test Report

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Report No. : AGC05443220935-001

**SAMPLE NAME** : Stainless Steel Tongs  
**MODEL NAME** : MO6728  
**APPLICANT** : MID OCEAN BRANDS B.V  
**STANDARD(S)** : Please refer to the following page(s).  
**DATE OF ISSUE** : Oct.09, 2022

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Applicant : MID OCEAN BRANDS B.V  
Address : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon,  
: Hong Kong.  
Test Site : 2, 6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
: Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

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

Sample Name : Stainless Steel Tongs  
Model : MO6728  
Vendor code : 106613  
Country of Origin : CHINA  
Country of Destination : EUROPE  
Sample Received Date : Sep.26, 2022  
Testing Period : Sep.26, 2022 to Oct.09, 2022

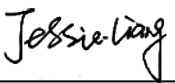
**Test Requested:****Conclusion**

- |   |             |
|---|-------------|
| 1. As specified by client, to determine the Lead(Pb) content in the submitted sample(s) with reference to entry 63, Annex XVII of the REACH Regulation (EC) No 1907/2006.   | <b>Pass</b> |
| 2. As specified by client, to determine the Formaldehyde Release content in the submitted sample(s).  | <b>Pass</b> |
| 3. As specified by client, to determined for mechanical dishwashing safe test.<br>As specified by client, to determine Specific migration of heavy metal from metal and alloys used in contact with food for compliance with Regulation (EC) No 1935/2004 and Technical Guide on Metals and alloys used in food contact materials of Council of Europe Resolution CM/Res (2013)9. | /           |
| 4. No 1935/2004 and Technical Guide on Metals and alloys used in food contact materials of Council of Europe Resolution CM/Res (2013)9.   | <b>Pass</b> |

Approved by: 

Qinlianzhi, Reed

Laboratory Supervisor

Approved by: 

Liangdan, Jessie.Liang

Technical Director

## Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Oct.09, 2022	Valid	Initial release

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**Test Result(s):**
**1. Test Result of Lead(Pb) Content**

<b>Test Item</b>	Lead(Pb) (CAS No.: 7439-92-1)
<b>Limit(mg/kg)</b>	<500
<b>MDL(mg/kg)</b>	10
<b>Test Method/ Instrument</b>	IEC 62321-5:2013/ ICP-OES

<b>Test point</b>	<b>Test result (mg/kg)</b>	<b>Conclusion</b>
	<b>Lead(Pb)</b>	
1-1	N.D.	<b>Conformity</b>
1-2	N.D.	<b>Conformity</b>

**2. Test Result of Formaldehyde Release**

<b>Test Item(s)</b>	Formaldehyde Release
<b>Limit (Client's Requirement) (mg/kg)</b>	80
<b>MDL (mg/kg)</b>	1
<b>Test Method/ Equipment</b>	EN717-3:1996/ UV-Vis

<b>Test point</b>	<b>Test result (mg/kg)</b>	<b>Conclusion</b>
	<b>Formaldehyde Release</b>	
1-2	N.D.	<b>Conformity</b>

**3. Test Result of mechanical dishwashing safe test:**
**Sample: Stainless Steel Tongs**

Test method: BS EN 12875-1:2005

Washing temperature: 60°C

Number of cycle: Ten (10) cycles

Number of tested sample: 1 (One) pc(s).

Number of control sample: 1 (One) pc(s).

For all tested metal articles:

- 1) No visible change of color, gloss and clouding was found on the tested samples after wash.
- 2) No visible deposit or iridescent layer was found on the tested samples after wash.
- 3) No visible swelling, deformation, cracking, crazing or delamination was found on the tested samples after wash.

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#### 4. Test Result(s) of Specific migration of heavy metal:

Test Method: With reference to EDQM Technical Guide on Metals and alloys used in food contact materials 2013.

Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)	Limit
			1 <sup>st</sup> + 2 <sup>nd</sup> extractives	
			1-1	
Barium (Ba)	0.5% citric acid, 70°C, 2h ICP-OES	0.1	N.D.	8.4
Copper (Cu)		0.1	N.D.	28
Iron (Fe)		0.1	0.815	280
Tin (Sn)		0.1	N.D.	700
Chromium (Cr)		0.01	0.012	1.75
Manganese (Mn)		0.1	N.D.	12.6
Zinc (Zn)		0.1	N.D.	35
Aluminium (Al)		0.1	N.D.	35
Lithium (Li)		0.01	N.D.	0.336
Beryllium (Be)		0.005	N.D.	0.07
Vanadium (V)		0.005	N.D.	0.07
Nickel (Ni)		0.01	N.D.	0.98
Cobalt (Co)		0.01	N.D.	0.14
Arsenic (As)		0.002	N.D.	0.014
Molybdenum (Mo)		0.01	N.D.	0.84
Silver (Ag)		0.01	N.D.	0.56
Cadmium (Cd)		0.002	N.D.	0.035
Antimony (Sb)		0.01	N.D.	0.28
Mercury (Hg)		0.002	N.D.	0.021
Thallium (Tl)		0.0001	N.D.	0.0007
Lead (Pb)	0.01	N.D.	0.07	
<b>Conclusion</b>		/	<b>Conformity</b>	/

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Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)	Limit
			3 <sup>rd</sup> extractives	
			1-1	
Barium (Ba)	0.5% citric acid, 70°C, 2h ICP-OES	0.1	N.D.	1.2
Copper (Cu)		0.1	N.D.	4
Iron (Fe)		0.1	0.159	40
Tin (Sn)		0.1	N.D.	100
Chromium (Cr)		0.01	N.D.	0.25
Manganese (Mn)		0.1	N.D.	1.8
Zinc (Zn)		0.1	N.D.	5
Aluminium (Al)		0.1	N.D.	5
Lithium (Li)		0.01	N.D.	0.048
Beryllium (Be)		0.005	N.D.	0.01
Vanadium (V)		0.005	N.D.	0.01
Nickel (Ni)		0.01	N.D.	0.14
Cobalt (Co)		0.01	N.D.	0.02
Arsenic (As)		0.002	N.D.	0.002
Molybdenum (Mo)		0.01	N.D.	0.12
Silver (Ag)		0.01	N.D.	0.08
Cadmium (Cd)		0.002	N.D.	0.005
Antimony (Sb)		0.01	N.D.	0.04
Mercury (Hg)		0.002	N.D.	0.003
Thallium (Tl)		0.0001	N.D.	0.0001
Lead (Pb)	0.01	N.D.	0.01	
<b>Conclusion</b>		/	<b>Conformity</b>	/

**Note:**

mg/kg = milligram per kilogram

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

MDL = Method Detection Limit

**Remark:**

- As specified by client, only test the designated sample.

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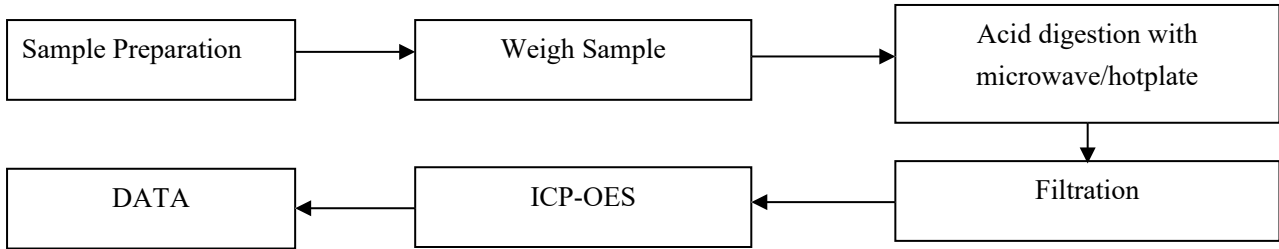
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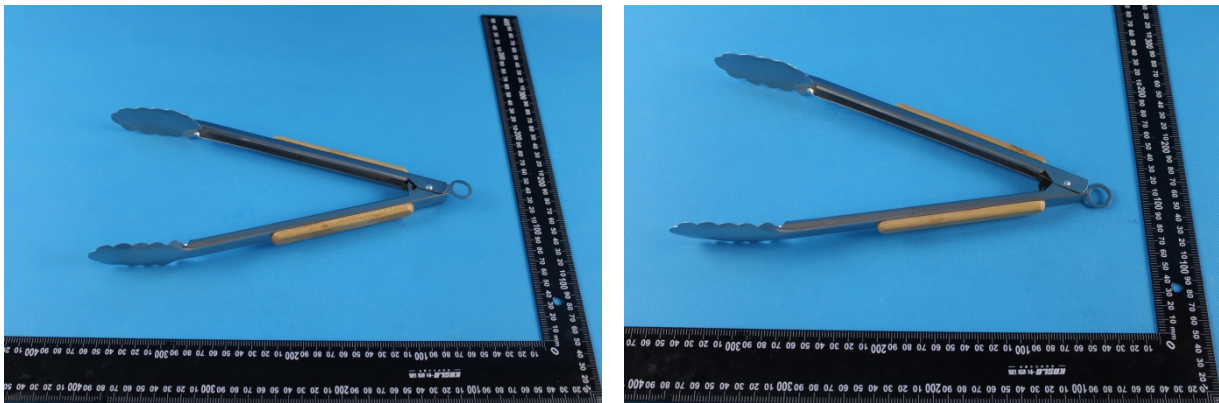
**Test Point Description**

Test point	Test point description
1-1	Stainless Steel Tong
1-2	Bamboo handle

**Test Flow Chart**



**The photo of the sample**



**AGC05443220935-001**

AGC authenticate the photo only on original report

\*\*\* End of Report \*\*\*

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