

Test Report No.: 68.431.21.05358.01

Dated: 2022-03-01



Applicant : The Dream Farm Pty Ltd
9 Amy Street, Albion QLD Australia

Sample Description : Clongs 9" + Clongs 12"

Product type/ End use : Tongs

Style No. / Name / Design No. : DFCLXXXX

Supplier : The Dream Farm Pty Ltd

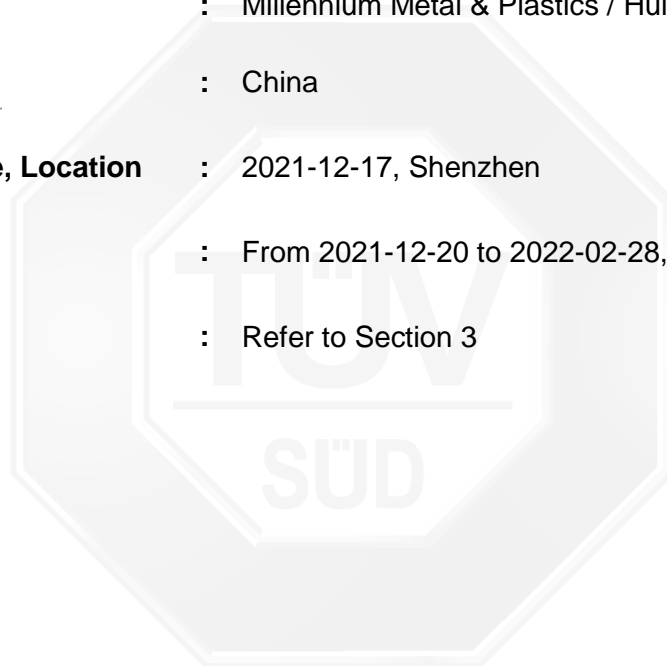
Manufacturer : Millennium Metal & Plastics / Hui Zi Yi Run Metal

Country of Origin : China

Test Sample Receipt Date, Location : 2021-12-17, Shenzhen

Test Period, Location : From 2021-12-20 to 2022-02-28, Shenzhen

Test Result(s) : Refer to Section 3



Laboratory:

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Purpose Of Examination / Conclusion:

Test Requested:	As specified by client, to test per the selected requirement(s) for the tested item(s) as stated in the German Food & Feed Acts LFGB (§ 30 & 31) and Regulation (EC) No.1935/2004
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No.	Test Item(s)	Conclusion
1	Overall Migration	Pass
2	Specific Migration of Phthalates	Pass
3	Specific Migration of Formaldehyde	Pass
4	Extractable Components	Pass
5	Volatile Organic Matters	Pass
6	Peroxide	Pass
7	Total Platinum Content Test	Pass
8	Extractable 23 Heavy Metals Test as specified in EDQM Technical Guide Council of Europe Resolution CM/Res(2013)9	Pass
9	Sensory Test Test for compliance with German Food and Feed Acts LFGB Section 31 and Regulation (EC) No. 1935/2004 Article 3(1)	Pass

Remarks:

- (1) The results relate only to the items tested.
- (2) Samples are tested as received.
- (3) The test item and samples were specified by the client.
- (4) "Pass" means the measured result is within a limit, even when extended by expanded uncertainty. "Fail" means the measured result is beyond a limit, even when extended by expanded uncertainty. "Inconclusive" means the measured result can be within or beyond a limit when extended by expanded uncertainty. The confidence level of the expanded uncertainty for "Pass", "Fail" and "Inconclusive" is 95%.

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
TÜV SÜD Group

Prepared by:

Reviewed by:



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Project Manager

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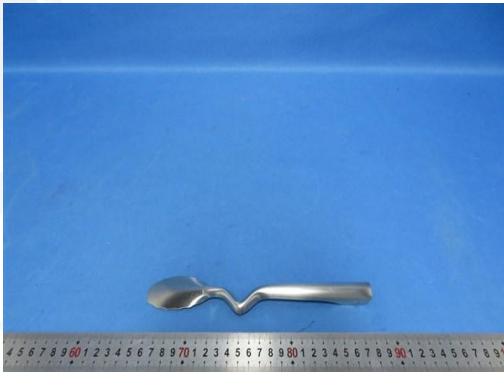

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1. Description of the Submitted Sample:

Sample Description	Clongs 9" + Clongs 12"
	



2. List of Materials as identified by the Laboratory:

T. No.	Sample No.	Colour and Description	Photograph
T1	001	Black silicone (Functional head)	
T2	002	Silvery stainless steel (Clip)	
T3	003	Whole product (Black clip)	

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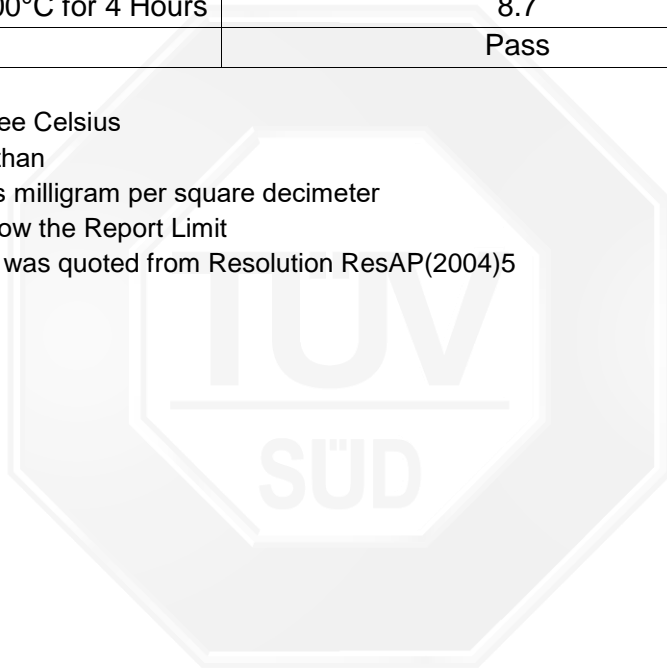
3. Test Result

3.1 Overall Migration

Test method: As specified in Resolution ResAP(2004)5 then test with reference to:
 EN 1186-1:2002(Guide to the selection of conditions and test methods for overall migration)
 EN 1186-2:2002(Oil by Total Immersion method)
 EN 1186-3:2002 (Total Immersion method)
 [Reporting Limit: 3mg/dm²]

TEST ITEM	TEST CONDITIONS	RESULTS [mg/dm ²]	LIMIT [mg/dm ²]
		SAMPLE 001 3 rd Migration	
3% Acetic acid	100°C for 4 Hours	ND	<10
10% Ethanol	100°C for 4 Hours	ND	<10
Rectified olive oil	100°C for 4 Hours	8.7	<10
Conclusion:		Pass	--

- Note 1. "°C" denotes degree Celsius
 2. "<" denotes less than
 3. "mg/dm²" denotes milligram per square decimeter
 4. "ND" denotes below the Report Limit
 5. The specification was quoted from Resolution ResAP(2004)5





3.2 Specific Migration of Phthalates

Test method: As specified in Regulation (EU) No. 10/2011 ANNEX III and V, and followed by gas chromatography/Mass Spectrometry (GC-MS) analysis.

Test Conditions: 95% Ethanol: 60 °C for 3.5 Hours

TEST ITEM	RESULT [mg/kg foodstuff]	REPORT LIMIT [mg/kg]	LIMIT [mg/kg]
	SAMPLE 001 3 rd Migration		
Dibutyl phthalate (DBP)	ND	<0.30	0.3
benzyl butyl phthalate (BBP)	ND	<1.0	30
Bis (2-ethylhexyl) phthalate (DEHP)	ND	<0.30	1.5
adipic acid, bis(2-ethylhexyl) ester (DEHA)	ND	<1.0	18
Bis(2-Ethylhexyl) Terephthalate (DEHTP)	ND	<1.0	60
DINP+DIDP	ND	<2.0	9
Conclusion:	Pass	--	--

Note 1. "°C" denotes degree Celsius

2. "<" denotes less than

3. "mg/kg" denotes milligram per kilogram

4. "ND" denotes below the Report Limit

5. The specification was quoted from Regulation (EU) No. 10/2011 and its amendments

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3.2 Specific Migration of Phthalates

Test method: As specified in Regulation (EU) No. 10/2011 ANNEX III and V, and followed by gas chromatography/Mass Spectrometry (GC-MS) analysis.

Test Conditions: Isooctane: 60 °C for 1.5 Hours

TEST ITEM	RESULT [mg/kg foodstuff]	REPORT LIMIT [mg/kg]	LIMIT [mg/kg]
	SAMPLE 001 3 rd Migration		
Dibutyl phthalate (DBP)	ND	<0.30	0.3
benzyl butyl phthalate (BBP)	ND	<1.0	30
Bis (2-ethylhexyl) phthalate (DEHP)	ND	<0.30	1.5
adipic acid, bis(2-ethylhexyl) ester (DEHA)	ND	<1.0	18
Bis(2-Ethylhexyl) Terephthalate (DEHTP)	ND	<1.0	60
DINP+DIDP	ND	<2.0	9
Conclusion:	Pass	--	--

Note 1. "°C" denotes degree Celsius

2. "<" denotes less than

3. "mg/kg" denotes milligram per kilogram

4. "ND" denotes below the Report Limit

5. The specification was quoted from Regulation (EU) No. 10/2011 and its amendments

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3.3 Specific Migration of Formaldehyde

Test method: with reference to EN 13130-1:2004 and CEN/TS 13130-23:2005, followed by Ultraviolet and visible spectrophotometry (UV-Vis).

Test Conditions: 3% Acetic Acid: 100 °C for 2 Hours

TEST ITEM	RESULT [mg/kg foodstuff]	REPORT LIMIT [mg/kg]	LIMIT [mg/kg]
	SAMPLE 001 3 rd Migration		
Formaldehyde	ND	<5.0	15
Conclusion:	Pass	--	--

- Note 1. "°C" denotes degree Celsius
 2. "<" denotes less than
 3. "mg/kg" denotes milligram per kilogram
 4. "ND" denotes below the Report Limit

3.4 Extractable Components

Test method: With reference to Bundesgesundheitsbl 46(2003)362 and followed by gravimetric method.

TEST ITEM	TEST CONDITIONS	RESULT [%]	MAXIMUM PERMISSIBLE LIMIT [%]
		SAMPLE 001	
Distilled Water	Reflux for 5 hours	<0.10	0.5
3% Acetic acid	Reflux for 5 hours	<0.10	0.5
10% Ethanol	Reflux for 5 hours	<0.10	0.5
Conclusion		Pass	-

Note:

- "%" denotes percentage by weight
- "<" denotes less than
- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XV "Silicone"

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3.5 Volatile Organic Matters

Test Method: With reference to Bundesgesundheitsbl 46 (2003) 362.

Test Conditions: 200 °C for 4 Hours

TEST ITEM	RESULT [%]	MAXIMUM PERMISSIBLE LIMIT [%]
	SAMPLE 001	
Volatile Organic Matters	0.10	<0.5
Conclusion	Pass	-

Note 1. "<" denotes less than

2. "%" denotes percent by weight

3. The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" Part XV "Silicones".

3.6 Peroxide

Test method : With reference to 58th Communication on the testing of plastics, Bundesgesundheitsbl. 40 (1997) 412.

TEST ITEM	RESULTS	MAXIMUM PERMISSIBLE LIMIT
	SAMPLE 001	
Peroxide Value	Absent	Absent
Conclusion	Pass	-

Note:

- The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr Part XV and Part VI

3.7 Total Platinum Content Test

Test method: Microwave digestion, followed by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

TEST ITEM	RESULTS [mg/kg]	MAXIMUM PERMISSIBLE LIMIT [mg/kg]
	SAMPLE 001	
Platinum (Pt)	<15.0	<50
Conclusion	Pass	-

Note 1. "<" denotes less than

2. "mg/kg" denotes milligram per kilogram

3. The specification was quoted from Recommendation of the BfR "Kunststoffe im Lebensmittelverkehr" PartXV "Silicone".

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3.8 Extractable 23 Heavy Metals

Test as specified in EDQM Technical Guide Council of Europe Resolution CM/Res(2013)9
 Sample(s) was tested with below test condition, and followed by ICP-MS analysis

Test Conditions: 0.5% citric acid: 100 °C for 2 Hours

Elements		Result(s) of 1 st + 2 nd Migration [mg/kg foodstuff]	Result(s) of 3 rd Migration [mg/kg foodstuff]	7*Maximum Permissible Limits [mg/kg g foodstuff]	Maximum Permissible Limits [mg/k g foodstuff]
		SAMPLE 002			
1.	Aluminum (Al)	<0.2	<0.1	35	5
2.	Antimony (Sb)	<0.01	<0.005	0.28	0.04
3.	Arsenic (As)	<0.0008	<0.0004	0.014	0.002
4.	Barium(Ba)	<0.2	<0.1	8.4	1.2
5.	Beryllium (Be)	<0.004	<0.002	0.07	0.01
6.	Cadmium (Cd)	<0.0008	<0.0004	0.035	0.005
7.	Chromium (Cr)	<0.10	<0.050	1.75	0.25
8.	Cobalt (Co)	<0.004	<0.002	0.14	0.02
9.	Copper (Cu)	<0.2	<0.1	28	4
10.	Iron (Fe)	1.4	<0.1	280	40
11.	Lead (Pb)	<0.02	<0.01	0.07	0.01
12.	Lithium (Li)	<0.01	<0.005	0.336	0.048
13.	Magnesium (Mg)	<0.1	<0.05	-	-
14.	Manganese (Mn)	<0.2	<0.1	12.6	1.8
15.	Mercury (Hg)	<0.001	<0.0005	0.021	0.003
16.	Molybdenum (Mo)	<0.004	<0.002	0.84	0.12
17.	Nickel (Ni)	<0.1	<0.05	0.98	0.14
18.	Silver (Ag)	<0.004	<0.002	0.56	0.08
19.	Thallium (Tl)	<0.0002	<0.0001	0.0007	0.0001
20.	Tin (Sn)	<1.0	<0.5	700	100
21.	Titanium (Ti)	<0.1	<0.05	-	-
22.	Vanadium (V)	<0.004	<0.002	0.07	0.01
23.	Zinc (Zn)	<0.2	<0.1	35	5

- Note 1. "°C" denotes degree Celsius
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3.9 Sensory Test

Test for compliance with German Food and Feed Acts LFGB Section 31 and Regulation (EC) No. 1935/2004 Article 3(1)

Test method: With reference to DIN 10955:2004.

The submitted sample was treated with below test conditions. After this treatment, treated food simulant was examined by panels with regard to any divergence in smell and taste.

Test Item	Test Conditions	Grade Results	Recommend Level
		Sample 003	
Transfer of smell	Distilled water: 100°C for 2 Hours	1	<2.5
Transfer of taste	Distilled water: 100°C for 2 Hours	1	<2.5
Conclusion		Pass	-

Note:

- Explanation for grading are listed as below:
 Grade 0 : No perceptible taste/smell deviation
 Grade 1 : Just perceptible taste/smell deviation
 Grade 2 : Weak taste/smell deviation
 Grade 3 : Clear taste/smell deviation
 Grade 4 : Strong taste/smell deviation

-- END OF TEST REPORT--

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 Page 12 of 12