

FCM TEST REPORT

Applicant	Hangzhou Yihan Network Technology Co., Ltd.
Address	Unit 19A07, 18th Floor, T2 Office Tower Runao Business Centre Xiaoshan District, Hangzhou
Manufacture	Ningbo TT Smart Technology Co., Ltd
Address	No.29 Gubei Road, Simen Town, Yuyao City, Ningbo City, Zhejiang Province, P.R. China.
Sample Name	Air fryer
Model	TTAF-1300A-H
Date of Receipt	Jan. 05, 2026
Date of Test	Jan. 05, 2026 to Jan. 09, 2026
Date of Report	Jan. 09, 2026
Test laboratory	Guangdong KAIXU Testing Technology Co., Ltd.
Test location	Room 215, Building 2, No. 123, Dongcheng Section, Guanlong Road, Dongcheng Street, Dongguan City, Guangdong Province, China

Test Conclusion:

Test Requested	Conclusion
As specified by client with European Commission Directive 1935/2004/EC, Regulation (EU)10/2011 and its amendments Regulation (EU) 2024/3190 on plastic materials and articles intended to come into contact with food Resolution Res AP (2004)5 on silicones used for food contact applications	PASS

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of KAIXU Test International

Tested by: Cathy

Approved by: Martin

Summary of Test Results:

Test Requested		Conclusion
As specified by client with European Commission Directive 1935/2004/EC, Regulation (EU)10/2011 and its amendments Regulation (EU) 2024/3190 on plastic materials and articles intended to come into contact with food Resolution Res AP (2004)5 on silicones used for food contact applications		
For Material: Stainless steel		
1.	Sensorial examination odour and taste test	PASS
2.	Migration of Heavy Metals	PASS
3.	Overall migration	PASS
For Materials: Non-Stick Coating		
1.	Sensory test-taste and odour to the integrate product	PASS
2.	Migration of PAH	PASS
3.	Migration of Heavy Metals	PASS
4.	Total Migration Test	PASS
5.	Migration of Primary Aromatic Amines test	PASS
6.	Phthalate Test	PASS
7.	Bisphenol A Test	PASS
8.	Migration of PFOA test	PASS

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Test Material Area And Simulant Liquid Volume

Material No.	Material Area	Simulant Volume
1	1dm ²	150ml
2	1dm ²	150ml

Test Result: No.1

For Material: Stainless steel

1. Sensorial examination odour and taste test

Test Method: Sensorial examination odour and taste test with reference to DIN10955:2024-01;

Test condition: Odour test: 40°C, 2 hours;

Taste test: sunflower oil, 40°C, 2 hours.

Test Item(s)	Test Result(s)	Limit
Sensorial examination odour (Point scale)	0	2.5
Sensorial examination taste (Point scale)	0	2.5

Note:

Odour/Taste Grade

0= No perceptible difference

1= Just perceivable difference (still difficult to define)

2= Slight difference

3= Marked difference

4= Strong difference

5. This part of the test is holistic test

2. Migration of Heavy Metals

Test Method: with reference to CM/Res (2020)9

Test Condition: 2 hours at 70°C in 5 g/L Citric acid

Test Item(s)	Unit	MDL	Test Result(s)		Requirement(s)	
			1 st +2 nd	3 rd	7*RSL	RSL
Aluminium (Al)	mg/kg	0.1	N.D.	N.D.	35	5
Antimony (Sb)	mg/kg	0.001	N.D.	N.D.	0.28	0.04
Chromium (Cr)	mg/kg	0.1	N.D.	N.D.	7	1
Cobalt (Co)	mg/kg	0.001	N.D.	N.D.	0.14	0.02
Copper (Cu)	mg/kg	0.1	N.D.	N.D.	28	4
Iron (Fe)	mg/kg	1	N.D.	N.D.	280	40
Manganese (Mn)	mg/kg	0.1	N.D.	N.D.	3.85	0.55
Molybdenum (Mo)	mg/kg	0.01	N.D.	N.D.	0.84	0.12
Nickel (Ni)	mg/kg	0.01	N.D.	N.D.	0.98	0.14
Silver (Ag)	mg/kg	0.001	N.D.	N.D.	0.56	0.08

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Test Item(s)	Unit	MDL	Test Result(s)		Requirement(s)	
			1 st +2 nd	3 rd	7*RSL	RSL
Tin (Sn)	mg/kg	1	N.D.	N.D.	700	100
Vanadium (V)	mg/kg	0.001	N.D.	N.D.	0.07	0.01
Zinc (Zn)	mg/kg	0.1	N.D.	N.D.	35	5
Arsenic (As)	mg/kg	0.001	N.D.	N.D.	0.014	0.002
Barium (Ba)	mg/kg	0.1	N.D.	N.D.	8.4	1.2
Beryllium (Be)	mg/kg	0.001	N.D.	N.D.	0.07	0.01
Cadmium (Cd)	mg/kg	0.001	N.D.	N.D.	0.035	0.005
Lead (Pb)	mg/kg	0.001	N.D.	N.D.	0.07	0.01
Lithium (Li)	mg/kg	0.001	N.D.	N.D.	0.336	0.048
Mercury (Hg)	mg/kg	0.001	N.D.	N.D.	0.021	0.003
Thallium (Tl)	mg/kg	0.0001	N.D.	N.D.	0.007	0.001
Zirconium(Zr)	mg/kg	0.1	N.D.	N.D.	14	2
Magnesium (Mg)	mg/kg	0.001	N.D.	N.D.	–	–
Titanium (Ti)	mg/kg	0.001	N.D.	N.D.	–	–

Note:

1. mg/kg = ppm
2. N.D. = Not Detected (<MDL)
3. MDL = Method Detection Limit

3. Overall migration

Test Method: With reference to Italian Ministerial Decree n°34 21.3.1973 ANNEX, n°220 dated 26 April 1993, n°338 dated 22 July 1998 and n°269 dated 12 December 1988.

Simulant used	Test condition	Overall Migration (mg/dm ²)			Maximum permissible Limit (mg/dm ²)
		1 st	2 nd	3 rd	
3 % acetic acid	30 minutes at 100°C	<2	<2	<2	8

Note:

1. mg/dm²=milligram per square decimeter
2. N.D.= Not Detected(<MDL)
3. MDL = Method Detection Limit

Test Result: No.2

For Materials: Non-Stick Coating

1. Sensorial examination odour and taste test

Test Method: Sensorial examination odour and taste test with reference to DIN 10955-2024-01;

Test condition: Odour test: 23°C, 24 hours;

Taste test: sunflower oil, 100°C, 1 hour.

Test Item(s)	Result	Maximum Permissilbe Limit
Sensorial examination odor (Point scale)	0	2.5
Sensorial examination taste (Point scale)	0	2.5

Note:

Odour/Taste Grade

0= No perceptible difference

1= Just perceivable difference (still difficult to define)

2= Slight difference

3= Marked difference

4= Strong difference

5. This part of the test is holistic test

2. Migration of PAH

Test Method: With reference to EN 13130-1:2004, analysis was performed by GC-MS.

Test Condition: 3% Acetic acid: 70°C, 2 h

Test Item(s)	Unit	Result			MDL	Limit
		1 st	2 nd	3 rd		
(1) Naphthalene (NAP)	mg/kg	N.D.	N.D.	N.D.	0.01	0.01
(2) Phenanthrene (PHE)	mg/kg	N.D.	N.D.	N.D.	0.01	0.01
(3) Anthracene (ANT)	mg/kg	N.D.	N.D.	N.D.	0.01	0.01
(4) Fluoranthene (FLT)	mg/kg	N.D.	N.D.	N.D.	0.01	0.01
(5) Pyrene (PYE)	mg/kg	N.D.	N.D.	N.D.	0.01	0.01
(6)Benzo[a]anthracene (BaA)	mg/kg	N.D.	N.D.	N.D.	0.01	0.01
(7)Chrysene (CHR)	mg/kg	N.D.	N.D.	N.D.	0.01	0.01
(8)Benzo[b]fluoranthene (BbF)	mg/kg	N.D.	N.D.	N.D.	0.01	0.01
(9)Benzo[k]fluoranthene (BkF)	mg/kg	N.D.	N.D.	N.D.	0.01	0.01
(10).Benzo[a]pyrene (BaP)	mg/kg	N.D.	N.D.	N.D.	0.01	0.01
(11)Indeno[1,2,3-cd]pyrene (IPY)	mg/kg	N.D.	N.D.	N.D.	0.01	0.01
(12)Dibenzo[a,h]anthracene (DBA)	mg/kg	N.D.	N.D.	N.D.	0.01	0.01
(13)Benzo[g,hi]perylene (BPE)	mg/kg	N.D.	N.D.	N.D.	0.01	0.01
(14)Benzo[j]fluoranthene	mg/kg	N.D.	N.D.	N.D.	0.01	0.01
(15) Benzo[e]pyrene	mg/kg	N.D.	N.D.	N.D.	0.01	0.01

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Note:

1. mg/kg= ppm
2. N.D.=Not Detected (<MDL)
3. MDL =Method Detection Limit

3. Migration of Heavy Metals

Test Method: Regulation (EU) 2024/3190, With reference to EN 13130-1:2004, analysis was performed by ICP-MS

Test Condition: 1 hours at 100°C in 3% Acetic acid

Test Item(s)	Unit	Result			MDL	Limit
		1 st	2 nd	3 rd		
Soluble Aluminium (Al)	mg/kg	N.D.	N.D.	N.D.	0.01	1
Soluble Ammonium	mg/kg	N.D.	N.D.	N.D.	0.01	--
Soluble Antimony(Sb)	mg/kg	N.D.	N.D.	N.D.	0.01	0.04
Soluble Arsenic(As)	mg/kg	N.D.	N.D.	N.D.	0.002	0.002
Soluble Barium(Ba)	mg/kg	N.D.	N.D.	N.D.	0.01	1
Soluble Cadmium(Cd)	mg/kg	N.D.	N.D.	N.D.	0.002	0.002
Soluble Calcium(Ca)	mg/kg	N.D.	N.D.	N.D.	0.01	--
Soluble Chromium(Cr)	mg/kg	N.D.	N.D.	N.D.	0.002	0.002
Soluble Cobalt(Co)	mg/kg	N.D.	N.D.	N.D.	0.01	0.05
Soluble Copper(Cu)	mg/kg	N.D.	N.D.	N.D.	0.01	5
Soluble Europium(Eu)	mg/kg	N.D.	N.D.	N.D.	0.01	0.05
Soluble Gadolinium(Gd)	mg/kg	N.D.	N.D.	N.D.	0.01	0.05
Soluble Iron(Fe)	mg/kg	N.D.	N.D.	N.D.	0.01	48
Soluble Lanthanum(La)	mg/kg	N.D.	N.D.	N.D.	0.01	0.05
Soluble Lead(Pb)	mg/kg	N.D.	N.D.	N.D.	0.002	0.002
Soluble Lithium(Li)	mg/kg	N.D.	N.D.	N.D.	0.01	0.6
Soluble Magnesium(Mg)	mg/kg	N.D.	N.D.	N.D.	0.01	--
Soluble Manganese(Mn)	mg/kg	N.D.	N.D.	N.D.	0.01	0.6
Soluble Mercury(Hg)	mg/kg	N.D.	N.D.	N.D.	0.002	0.002
Soluble Nickel(Ni)	mg/kg	N.D.	N.D.	N.D.	0.01	0.02
Soluble Potassium(K)	mg/kg	N.D.	N.D.	N.D.	0.01	--
Soluble Sodium(Na)	mg/kg	N.D.	N.D.	N.D.	0.01	--
Soluble Terbium(Tb)	mg/kg	N.D.	N.D.	N.D.	0.01	0.05
Soluble Zinc(Zn)	mg/kg	N.D.	N.D.	N.D.	0.01	5

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1. mg/kg = ppm
2. N.D. = Not Detected (<MDL)
3. MDL = Method Detection Limit

4. Total Migration test

Test Method: Regulation (EU) 2024/3190, With reference to EN 13130-1:2004, EN 1186-1:2002, EN 1186-2:2022, EN1186-3:2022

Stimulant used	Test condition	Test Result (mg/dm ²)			Maximum permissible Limit (mg/dm ²)
		1 st	2 nd	3 rd	
3 % acetic acid	4 hours at 100 °C	<2.0	<2.0	<2.0	10
10 % ethanol	4 hours at 100 °C	<2.0	<2.0	<2.0	10
95 % ethanol	4 hours at 100 °C	<2.0	<2.0	<2.0	10
Vegetable oil	4 hours at 100 °C	<2.0	<2.0	<2.0	10

5. Migration of Primary Aromatic Amines test

Test Method: Regulation (EU) 2024/3190, With reference to EN 13130-1:2004, analysis was performed by LC-MS

Test Condition: 2 hours at 100 °C in 3% Acetic acid

No.	Name	CAS No.	Result(mg/kg)			MDL (mg/kg)	Limit (mg/kg)
			1 st	2 nd	3 rd		
1	4-Aninobiphenyl	92-67-1	N.D.	N.D.	N.D.	0.002	0.002
2	4-Chloro-o-toluidine	95-69-2	N.D.	N.D.	N.D.	0.002	0.002
3	2-Naphthylamine	91-59-8	N.D.	N.D.	N.D.	0.002	0.002
4	o-Aminoazotoluene	97-56-3	N.D.	N.D.	N.D.	0.002	0.002
5	2-Amino-4-nitrotoluene	99-55-8	N.D.	N.D.	N.D.	0.002	0.002
6	p-Chloroaniline	106-47-8	N.D.	N.D.	N.D.	0.002	0.002
7	2,4-Diaminoanisole	615-05-4	N.D.	N.D.	N.D.	0.002	0.002
8	4,4'-Diaminobiphenylmethane	101-77-9	N.D.	N.D.	N.D.	0.002	0.002
9	3,3'-Dichlorobenzidine	91-94-1	N.D.	N.D.	N.D.	0.002	0.002
10	3,3'-Dmethoxybenzidine	119-90-4	N.D.	N.D.	N.D.	0.002	0.002
11	3,3'-Dimethylbenzidine	119-93-7	N.D.	N.D.	N.D.	0.002	0.002
12	3,3'-Dimethyl-4,4-diaminobiphenylmethane	838-88-0	N.D.	N.D.	N.D.	0.002	0.002
13	p-Cresidine	120-71-8	N.D.	N.D.	N.D.	0.002	0.002
14	4,4'-Methylene-bis- (2-chloroaniline)	101-214-4	N.D.	N.D.	N.D.	0.002	0.002
15	4,4'-Oxydianiline	101-80-4	N.D.	N.D.	N.D.	0.002	0.002
16	4,4'-Thiodianiline	139-65-1	N.D.	N.D.	N.D.	0.002	0.002
17	o-Toluidine	95-53-4	N.D.	N.D.	N.D.	0.002	0.002

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No.	Name	CAS No.	Result(mg/kg)			MDL (mg/kg)	Limit (mg/kg)
			1 st	2 nd	3 rd		
18	2,4-Toluyldiamine	95-80-7	N.D.	N.D.	N.D.	0.002	0.002
19	2,4,5-Trimethylaniline	137-17-7	N.D.	N.D.	N.D.	0.002	0.002
20	o-Anisidine	90-04-0	N.D.	N.D.	N.D.	0.002	0.002
21	2,4-Xylidine	95-68-1	N.D.	N.D.	N.D.	0.002	0.002
22	2,6-Xylidine	87-62-7	N.D.	N.D.	N.D.	0.002	0.002
23	SUM	--	N.D.	N.D.	N.D.	--	0.01

Note:

1. mg/kg=ppm
2. N.D. = Not Detected (<MDL)
3. MDL = Method Detection Limit
4. Primary aromatic amines (“PAAs”) listed in entry 43 to Appendix 8 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council (*) and for which no migration limit is specified in Table 1 of Annex I shall not migrate or shall not otherwise be released from plastic materials and articles into food or food simulant. They shall not be detectable using analytical equipment with a limit of detection of 0.002 mg/kg food or food simulant applied to each individual primary aromatic amine (“PAA”), in accordance with Article 11(4). For PAAs not listed in entry 43 to Appendix 8 of Annex XVII to Regulation (EC) No 1907/2006, but for which no specific migration limit is specified in Annex I, compliance with Article 3 of Regulation (EC) No 1935/2004 shall be verified in accordance with Article 19. The sum of those PAAs shall however not exceed 0.01 mg/kg in food or food simulant.

6. Phthalate test

Test Method: Regulation (EU) 2024/3190, With reference to EN 13130-1:2004, EN 1186-1:2002, EN 1186-2:2022, EN1186-3:2022

Total Phthalate

Test Item(s)	Unit	Result	MDL	Limit
Dibutyl Phthalate(DBP)	mg/kg	N.D.	30	500
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	30	1000
Diisononyl Phthalate(DINP)	mg/kg	N.D.	100	1000
Di-n-octyl Phthalate(DNOP)	mg/kg	N.D.	30	1000
Diisodecyl Phthalate (DIDP)	mg/kg	N.D.	100	1000

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Phthalate Migration

Test Condition: 3% Acetic acid: 100°C, 1 h

Test Item(s)	Unit	Result			MDL	Limit
		1 st	2 nd	3 rd		
Dibutyl Phthalate(DBP)	mg/kg	N.D.	N.D.	N.D.	0.05	0.12
Benzylbutyl Phthalate (BBP)	mg/kg	N.D.	N.D.	N.D.	0.2	6
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	N.D.	N.D.	N.D.	0.2	0.6
Diisononyl Phthalate(DINP)	mg/kg	N.D.	N.D.	N.D.	0.2	1.8
Di-n-octyl Phthalate(DNOP)	mg/kg	N.D.	N.D.	N.D.	0.2	5
Diisodecyl Phthalate (DIDP)	mg/kg	N.D.	N.D.	N.D.	0.2	9

Note:

1. mg/kg=ppm
2. N.D. = Not Detected (<MDL)
3. MDL = Method Detection Limit

7. Migration of Bisphenol A Test

Test Method: With reference to EN 13130-1:2004, Regulation (EU) 2024/3190, EN 1186-1:2002, EN 1186-2:2022, EN 1186-3:2022

Simulant used	Test condition	Result(mg/kg)			MDL (mg/kg)	Limit (mg/kg)
		1 st	2 nd	3 rd		
50 % ethanol	1 h at 100°C	N.D.	N.D.	N.D.	0.001	0.001
3 % acetic acid	1 h at 100°C	N.D.	N.D.	N.D.	0.001	0.001
10 % ethanol	1 h at 100°C	N.D.	N.D.	N.D.	0.001	0.001
Vegetable oil	1 h at 100°C	N.D.	N.D.	N.D.	0.001	0.001

Note: N.D. =Not Detected

8. PFOA Test

Test Item	Test Method	Result/(mg/kg)	MDL/(mg/kg)
Perfluorooctyl acid (PFOA)	EPA3550C:2007	N.D.	10

Note:

1. mg/kg=ppm
2. N.D. = Not Detected (<MDL)
3. MDL = Method Detection Limit

Sample Description:

No.	Description	Material
1	Silver metal liner	SUS201
2	Black coating	Non-Stick Coating

Tested sample photos





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