

# FCM TEST REPORT

<b>Applicant</b>	Hangzhou Yihan Network Technology Co., Ltd.
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<b>Manufacturer</b>	NINGBO EXCELLENT APPLIANCES CO., LTD.
<b>Address</b>	NO.31, SHANHAI NEW VILLAGE, GUANHAIWEI TOWN, CIXI NINGBO EXCELLENT APPLIANCES CO., LTD.CITY, NINGBO CITY, ZHEJIANG PROVINCE, P.R. CHINA
<b>Sample Name</b>	Air fryer
<b>Model</b>	CD60-01D
<b>Date of Receipt</b>	Nov. 06, 2025
<b>Date of Test</b>	Oct. 28, 2025 to Nov. 06, 2025
<b>Date of Report</b>	Nov. 06, 2025
<b>Test laboratory</b>	Guangdong KAIXU Testing Technology Co., Ltd.
<b>Test location</b>	Room 215, Building 2, No. 123, Dongcheng Section, Guanlong Road, Dongcheng Street, Dongguan City, Guangdong Province, China

**Test Conclusion:**

Test Requested	Conclusion
As requested by the applicant, refer to attached page(s) for details.	See next page

Remark: This test report replaces test report No.KTi251028R1507 released on Nov. 03, 2025 as the current valid report, the original test report is void.

\*\*\*\*\* 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
Selected test (s) in the selected parts as requested by client with the Regulation (EC) No 1935/2004 and EDQM CM/Res(2020)9 Metals and Alloys used in food contact materials and articles 2024 EDQM 2nd Edition		
<b>1.For Material: Cold-rolled sheet</b>		
1.1	Sensory test-taste and odour to the integrate product	PASS
1.2	Migration of Heavy Metals	PASS
1.3	Overall migration	PASS
In accordance with European Commission Directive 1935/2004/EC,Resolution AP (2004)5 and its amendments Regulation (EU) 2024/3190 on silicone materials and articles intended to come into contact with food.		
<b>2.For Material: Silicone</b>		
2.1	Sensory test-taste and odour to the integrate product	PASS
2.2	Overall migration	PASS
2.3	Bisphenol A (BPA)content	PASS
2.4	Specific migration of Bisphenol A(BPA)	PASS
2.5	Volatile Organic Matter(VOM)	PASS
2.6	Polycyclic Aromatic Hydrocarbons(PAHs) content	PASS
2.7	Visible Color Migration	PASS
2.8	Specific Migration of Hexene in Olive Oil Substitute	PASS
2.9	Specific Migration of Octene in Olive Oil Substitute	PASS

**Test Result:**

**1.For Material: Cold-rolled sheet**

**1.1 Sensory test-taste and odour to the integrate product**

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

Test condition: Odour test: 100°C, 2 hours;

Taste test: sunflower oil ,100°C, 2 hours.

Test Item (s)	Test Result	Limit
	1	
Sensorial examination odour (Point scale)	0.5	2.5
Sensorial examination taste (Point scale)	0.5	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

**1.2 Migration of Heavy Metals**

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

Test condition: Artificial tap water ,100°C, 2 hours

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES),  
Inductively Coupled Plasma Mass Spectrometer (ICP-MS)

Test Item(s)	Unit	MDL	Result		Requirement	
			1		7*SRL	SRL
			1 <sup>st</sup> +2 <sup>nd</sup>	3 <sup>rd</sup>		
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
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

Test Item(s)	Unit	MDL	Result		Requirement	
			1		7*SRL	SRL
			1 <sup>st</sup> +2 <sup>nd</sup>	3 <sup>rd</sup>		
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=milligram per kilogram
  2. N.D.= Not Detected(<MDL)
  3. MDL = Method Detection Limit
  - 4.SRL = Specific Release Limit

**1.3 Overall Migration**

**Test Method:** Regulation(EU)10/2011, 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 <sup>2</sup> )			Maximum permissible Limit (mg/dm <sup>2</sup> )
		1			
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	
3 % acetic acid	2 hours at 100°C	<2.0	<2.0	<2.0	10
10% Ethanol	2 hours at 100°C	<2.0	<2.0	<2.0	10
95% Ethanol	3.5 hours at 60°C	<2.0	<2.0	<2.0	10
Isooctane	1.5 hours at 60°C	<2.0	<2.0	<2.0	10

- Note:
1. mg/dm<sup>2</sup>=milligram per square decimeter
  2. N.D.= Not Detected(<MDL)
  3. MDL = Method Detection Limit

**2. For Material: Silicone**

**2.1 Sensory test-taste and odour to the integrate product**

Test Method: reference to DIN10955:2024-01;

Test condition: Odour test:100 °C,2 hours;

Taste test: 3 % acetic acid,100 °C,2 hours.

Test Item(s)	Test Result	Maximum Permissible Limit
	2	
Sensorial examination odour(Point scale)	0.5	2.5
Sensorial examination taste(Point scale)	0.5	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

**2.2 Overall Migration**

**Test Method:** Regulation AP (2004)5, 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 <sup>2</sup> )			Maximum permissible Limit (mg/dm <sup>2</sup> )
		2			
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	
3 % acetic acid	2 hours at 100 °C	<2.0	<2.0	<2.0	10
10% Ethanol	2 hours at 100 °C	<2.0	<2.0	<2.0	10
95% Ethanol	3.5 hours at 60 °C	<2.0	<2.0	<2.0	10
Isooctane	1.5 hours at 60 °C	<2.0	<2.0	<2.0	10

**2.3 Bisphenol A (BPA)content**

Test Method: Regulation AP (2004)5 and its amendments Regulation(EU) 2024/3190,  
With reference to CEN/TS 13130-13:2005, analysis was performed byLC-MS/MS

Test Item	Unit	MDL	Limit	Test Result		
				2		
Bisphenol A (BPA) content	ug/kg	1	1	N.D.		

- Note:
1. ug/kg=Micrograms per kilogram
  2. MDL=Method Detection Limit
  3. N.D.=Not Detection(<MDL)

**2.4 Specific migration of Bisphenol A(BPA)**

Test Method: Regulation AP (2004)5 and its amendments Regulation (EU) 2024/3190,  
With reference to EN 13130-1:2004,EN 1186-1:2002,EN 1186-3:2022, EN1186-14:2002  
Test Condition: 3% Acetic acid, 2 hours at 100 °C

Test Item(s)	Unit	MDL	Limit	Test Result		
				2		
				1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Bisphenol A(BPA)	ug/kg	1	1	N.D.	N.D.	N.D.

- Note:
- 1.ug/kg=Micrograms per kilogram
  - 2.N.D.= Not Detected (<MDL)
  - 3.MDL=Method Detection Limit
  - 4.The requirement in accordance with the Commission Regulation (EU)2024/3190.

**2.5 Volatile organic matter (VOM)**

**Test Method:** With reference to 60. Mitteilung ber dieUntersuchung von Kunststoffen, Bundesgesundheitsbl 45 (2002) 462 and LFGB § 64 BVL B 80.30.1(EG)

Test Item(s)	Unit	MDL	Limit	Test Result		
				2		
Volatile organic matter (VOM), 200 °C, 4h	% (w/w)	0.1	0.5	0.14		

Notes: %(w/w) =percentage of weight by weight

**2.6 Polycyclic Aromatic Hydrocarbons(PAHs) content**

Test Method: With reference to AfPS GS 2019:01 PAK

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Tested Item(s)	Test Result Unit (mg/kg)	Limit
	2	
Naphthalene	N.D.	<1
Phenanthrene	N.D.	<1 Sums
Pyrene	N.D.	
Anthracene	N.D.	
Fluoranthene	N.D.	
Benzo[a]anthracene	N.D.	
Chrysene	N.D.	<0.2
Benzo[b]fluoranthene	N.D.	<0.2
Benzo[k]fluoranthene	N.D.	<0.2
Benzo[j]fluoranthene	N.D.	<0.2
Benzo[a]pyrene	N.D.	<0.2
Benzo[e]pyrene	N.D.	<0.2
Indenol[1,2,3-cd]pyrene	N.D.	<0.2
Dibenz[a,h]anthracene	N.D.	<0.2
Benzo[g,h,i]perylene	N.D.	<0.2
15 PAHs SUMs	N.D.	<1
<b>Conclusion</b>	<b>PASS</b>	---

- Note:**
- mg/kg = Milligram per kilogram
  - N.D.= Not Detected (<MDL)
  - MDL=Method Detection Limit = 0.2 mg/kg

**2.7 Visible Color Migration**

The simulated solution used	Test condition	Maximum Limit	Test Result
			2
3 % acetic acid	2 hours at 100°C	No color migration	No color migration was observed
10% Ethanol	2 hours at 100°C	No color migration	No color migration was observed
95% Ethanol	3.5 hours at 60°C	No color migration	No color migration was observed
Isooctane	1.5 hours at 60°C	No color migration	No color migration was observed
<b>Conclusion</b>	--	--	<b>PASS</b>

**Note:** -N.D. =Not Detected

- mg/kg = Milligram per kilogram
- % = Percentage by weight
- °C = Centigrade
- h = hour
- <=less than

**2.8 Specific Migration of Hexene in Olive Oil Substitute**

Test Method: Regulation (EU)10/2011 and its amendments 78/142/EEC, With reference to BS EN13130 - 1:2004,analysis was performed by HS-GC(FID).

Test Item	Test condition	Test Result(mg/kg)			MDL (mg/kg)	Limit (mg/kg)
		2				
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>		
Specific Migration of Hexene in Olive oil substitute	Isooctane, 1.5 hours at 60°C	N.D.	N.D.	N.D.	0.2	3

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

**2.9 Specific Migration of Octene in Olive Oil Substitute**

Test Method: Regulation (EU)10/2011 and its amendments 78/142/EEC, With reference to BS EN13130 - 1:2004,analysis was performed by HS-GC(FID).

Test Item	Test condition	Test Result(mg/kg)			MDL (mg/kg)	Limit (mg/kg)
		2				
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>		
Specific Migration of Octene in Olive Oil Substitute	Isooctane, 1.5 hours at 60°C	N.D.	N.D.	N.D.	2.0	15

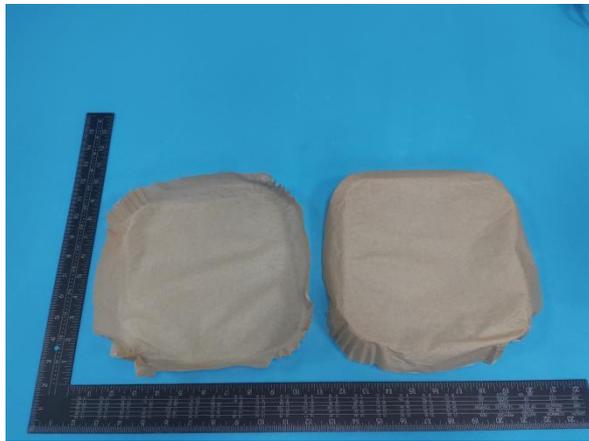
- Note:
- 1. mg/kg=ppm
  - 2. MDL=Method Detection Limit
  - 3. N.D.=Not Detection(<MDL)

**Sample Description:**

Material No.	Description	Material
1	Metal pot	Cold-rolled sheet
2	Black silicone	Silicone

**Tested sample photos**





-----THE END OF REPORT-----