

Report No.: B2504TR90111S03

Date: Apr. 10, 2025

BORY

## Test Report

**Applicant:** ANHUI HONYI INTERNATIONAL CORP.  
**Address:** B-2106, BUSINESS BLDG., WOYE GARDEN, GANQUAN RD., SHUSHAN DISTRICT, HEFEI, CHINA

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

**Sample Name:** Fill Meter  
**Trade Mark:**   
**Manufacturer:** ANHUI HONYI INTERNATIONAL CORP.  
**Address:** B-2106, BUSINESS BLDG., WOYE GARDEN, GANQUAN RD., SHUSHAN DISTRICT, HEFEI, CHINA

**Sample Description:** Please refer to the following page(s).  
**Sample model:** KL14694  
**Sample Model No.:** KL20503, KL20510, KL01618, KL06774, KL01915, KL01922, KL13185

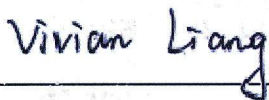
**Received Date:** Apr. 01, 2025  
**Testing Period:** Apr. 01, 2025 ~ Apr. 10, 2025

**Test Requested:** In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 to perform the following tests:  
1. Sensorial examination of odour and taste  
2. Overall migration  
3. Specific Migration of Lead and Cadmium  
4. Lead and Cadmium  
5. Specific Migration of Heavy Metal

**Test Method:** Please refer to the following page(s).

**Test Result:** Please refer to the following page(s).

Checked by



Vivian

Signed for and on behalf of BORY



Usher  
Laboratory Manager

# Test Report

## Sample Description Assigned by Laboratory:

Test Item	Description	Client Claimed Material
001	Plastic shell of Fill Meter	Plastic

### 1. Sensorial examination of odour and taste

**Test method:** With reference to DIN 10955. The submitted sample was filled with distilled water and operated at it's maximum power for 1 hours. After this treatment, treated water was examined by panels with regard to any divergence in smell and taste.

Migration condition: 40 °C for 10 days

Test Simulant: Water

The number of panelists: 6

### **Test Results:**

Testing Parameter	Grading Result	Recommended Level	Comment
	001		
Sensorial examination odour	1.0	2.5	Pass
Sensorial examination taste	1.0	2.5	Pass

Remark:

- Available grading are listed as follow:

Grading 0: No perceptible taste/smell deviation;

Grading 1: Just perceptible taste/smell deviation;

Grading 2: Weak taste/smell deviation;

Grading 3: Clear taste/smell deviation;

Grading 4: Strong taste/smell deviation.

### 2. Overall migration

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation – Overall migration.

#### **Test method:**

With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods; or EN 1186-9:2002 aqueous food simulants by article filling method; or EN 1186-14:2002 substitute test.

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### Test Results:

Simulant Used	Time	Temperature	Max. Permissible Limit	Result of Overall Migration	Comment
				001	
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	100°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	Pass
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	100°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	Pass
95% Ethanol	4.0hr(s)	100°C	10mg/dm <sup>2</sup>	6.0mg/dm <sup>2</sup>	Pass
Isooctane	2.0hr(s)	100°C	10mg/dm <sup>2</sup>	6.0mg/dm <sup>2</sup>	Pass

#### Notes:

1. mg/kg = milligram per kilogram of foodstuff in contact with mg/dm<sup>2</sup> = milligram per square decimeter
2. °C = degree Celsius

### 3. Specific Migration of Lead and Cadmium

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation—Lead and Cadmium

**Test method:** Microwave digestion (GZTC CHEM-TOP-004-01), analysis was performed by ICP-OES..

Simulant Used: 3% Acetic Acid (W/V) Aqueous Solution

Test Condition: 100°Cx 0.5hr(s) follow by 40°Cx 10day(s)°C

#### Test Results:

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
				001
Migration times	--	-	-	1st
Area/Volume	--	dm <sup>2</sup> /kg	-	3.7
Lead	★	mg/kg	0.01	ND
Cadmium	★	mg/kg	0.01	ND
Comment				Pass

#### Notes:

1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. MDL=Method Detection Limit
4. ND= Not Detected(less than MDL)
5. ★= Absent

## Test Report

### 4. Lead and Cadmium

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation—Lead and Cadmium.

**Test method:** Microwave digestion (GZTC CHEM-TOP-004-01) , analysis was performed by ICP-OES..

#### Test Results:

Test Item(s)	Limit	Unit	MDL	Test result	Comment
				001	
Lead	★	mg/kg	2	1st	Pass
Cadmium	★	mg/kg	2	ND	Pass

#### Notes:

1. mg/kg = milligram per kilogram of foodstuff in contact with
2. MDL=Method Detection Limit
3. ND= Not Detected(less than MDL)
4. ★= Absent

### 5. Specific Migration of Heavy Metal

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments—Specific Migration of Heavy Metal

**Test method:** With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN13130-1:2004 for selection of test method, analysis was performed by ICP-OES.

Simulant Used: 3% Acetic Acid (W/V) Aqueous Solution

Test Condition: 100°Cx 0.5hr(s) follow by 40°Cx 10day(s)°C

#### Test Results:

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
				001
Migration times	--	-	-	1st
Area/Volume	--	dm <sup>2</sup> /kg	-	3.7
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.01	ND
Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.25	ND

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Zinc	5	mg/kg	0.5	ND
Aluminum	1	mg/kg	0.1	ND
Nickel	2	mg/kg	0.01	ND
<b>Comment</b>				Pass

Notes:

1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. MDL=Method Detection Limit
4. ND= Not Detected(less than MDL)

# Test Report

The photo of the sample



\*\*\*End \*\*\*

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