

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: S.S FERMENTER

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: KL37211

Sample Model No.: KL15103, KL20244, KL20695, KL15943, KL23061, KL29186, KL37211, KL37228, KL37235, KL37242, KL40631, KL23573, KL28493, KL28585, KL28592, KL31790, KL31806, KL31813, KL31820, KL31721, KL31738, KL31745, KL31752, KL25232, KL25249, KL25256, KL25263, KL35699, KL01670, KL01687, KL01663, KL01694, KL01700, KL35705, KL01717, KL01724, KL01731, KL01748, KL01755, KL14342, KL01762, KL12317, KL25140, KL20282, KL01779, KL23009, KL01786, KL01793, KL22590, KL26697, KL26703, KL24648, KL24655, KL24709, KL24693, KL13444, KL13437, KL25515, KL28783, KL28370

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:
 For material: Metal or metal plating:
 1) Sensorial examination odour and taste test;
 2) migration of heavy metal contents for metal in contact with foodstuffs;

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

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

Checked by

Vivian Liang

Vivian

Signed for and on behalf of BORY



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Sample Description Assigned by Laboratory:

| Test Item | Description | Client Claimed Material |
|-----------|---------------|-------------------------|
| 001 | S.S FERMENTER | Stainless steel 304 |

1. Sensorial examination odour and taste test

Test method: With reference to DIN10955:2004 - Sensory analysis-testing of packaging materials and packages for foodstuffs.

Test condition: 40°C, 10 day(s);

Test media: water;

No. of panelist: 6

Test Results:

| Test Item(s) | Test result | Limit | Comment |
|-----------------------------|-------------|-------|---------|
| | 001 | | |
| Sensorial examination odour | 0.5 | 2.5 | Pass |
| Sensorial examination taste | 0.5 | 2.5 | Pass |

Notes:

Scale evaluation:

- 0: No perceptible odour
- 1: Odour just perceptible (still difficult to define)
- 2: Moderate odour
- 3: Moderately strong odour
- 4: Strong odour

Permissible Limit is according to LFGB with its amendment, Section 30 and 31, and Regulation (EC) No 1935/2004 of The European Parliament and of the Council of 27 October 2004.

2. Migration of heavy metal contents for metal in contact with foodstuffs

Test method: Sample preparation in distilled water at 40°C for 10 day(s), followed by analysis using Inductively Coupled Argon Plasma Spectrometry.

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Test Results:

| Test Item(s) | Unit | Result | | | Seven Times of Maximum Specific Release Limit(s) (SRLs) ^[a, b] |
|--------------------------|-----------------|-------------|-------------|---|---|
| | | 001 | | | |
| | | 1st Migrate | 2nd Migrate | Sum of 1st & 2nd Migrate ^[a] | |
| Envelope volume | cm ³ | 125 | 125 | -- | |
| Volume of stimulant used | mL | 125 | 125 | -- | |
| Aluminum (Al) | mg/kg | <0.1 | <0.1 | <0.1 | 35 |
| Iron (Fe) | mg/kg | <5 | <5 | <5 | 280 |
| Magnesium (Mg) | mg/kg | <0.5 | <0.5 | <0.5 | - |
| Manganese (Mn) | mg/kg | <0.1 | <0.1 | <0.1 | 12.6 |
| Molybdenum (Mo) | mg/kg | <0.01 | <0.01 | <0.01 | 0.84 |
| Silver (Ag) | mg/kg | <0.01 | <0.01 | <0.01 | 0.56 |
| Tin (Sn) | mg/kg | <5 | <5 | <5 | 700 |
| Titanium (Ti) | mg/kg | <0.5 | <0.5 | <0.5 | - |
| Vanadium (V) | mg/kg | <0.002 | <0.002 | <0.002 | 0.07 |
| Zinc (Zn) | mg/kg | <1 | <1 | <1 | 35 |
| Arsenic (As) | mg/kg | <0.001 | <0.001 | <0.001 | 0.014 |
| Barium (Ba) | mg/kg | <0.1 | <0.1 | <0.1 | 8.4 |
| Beryllium (Be) | mg/kg | <0.001 | <0.001 | <0.001 | 0.07 |
| Lithium (Li) | mg/kg | <0.01 | <0.01 | <0.01 | 0.336 |
| Mercury (Hg) | mg/kg | <0.0004 | <0.0004 | <0.0004 | 0.021 |
| Thallium (Tl) | mg/kg | <0.00005 | <0.00005 | <0.00005 | 0.0007 |
| Extractable Lead | mg/kg | <0.002 | <0.002 | <0.002 | 0.7 |
| Extractable Cadmium | mg/kg | <0.001 | <0.001 | <0.001 | 0.035 |
| Extractable Chromium | mg/kg | <0.1 | <0.1 | <0.1 | 1.75 |
| Extractable Nickel | mg/kg | <0.02 | <0.02 | <0.02 | 0.98 |
| Extractable Copper | mg/kg | <0.5 | <0.5 | <0.5 | 28 |
| Extractable Antimony | mg/kg | <0.004 | <0.004 | <0.004 | 0.28 |
| Extractable Cobalt | mg/kg | <0.005 | <0.005 | <0.005 | 0.14 |
| Comment | | | | | -- |

Note:

- [a] denotes as this (these) maximum specific release limit(s) was (were) referenced from Metals and Alloys used in Food Contact Materials and articles - A Practical Guide to Manufacturers and Regulators (2013 1st Edition) published by European Directorate for the Quality of Medicines and HealthCare (EDQM), Chapter 1, Article 4, Tables 1 and 2.
- Appropriate test condition(s) was (were) selected according to Guidelines on Testing Conditions for Articles in Contact with Foodstuffs (With a Focus on Kitchenware) (2009 1st Edition) published by European

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Commission Joint Research Center (JRC).

3. [b] denotes as the sum of the results of the first and second migrates should not be exceed seven times the SRL
4. Selected test was specified by client.

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The photo of the sample



***End ***

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