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|------------|----------------------|
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# TEST REPORT

(No Copy Without Permission)

Sample Name :

Marble, Teflon

Test Category :

Entrusted Test

Manufacturer :

Applicant :

Standard Technology Union

Standard Technology Union Co., Ltd.



Applicant's Name:

Applicant's Address:

Sample Description: Marble, Teflon

Test model No.: 9905XXXXXX

Sample Receipt Date: Jul 21, 2017

Test Period: Jul 22, 2017 to Jul 30, 2017

Test Requirements In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30&31 and BfR recommendation.

- 1). For material: Polymer coating – Overall migration test
- 2). For material: Polymer coating – Extractable Chromium III and Chromium VI test.
- 3). For material: Ceramic – Extractable lead and cadmium contents

Test Results: Please refer to next page(s).

Test Conclusion: PASS

Tested by:

Roger Cheng

Senior Engineer

Checked by:

Gerard Mo

Lab Supervisor

Approved by:

Frankie Lin

Lab Manager



## Test Results

### 1). Overall Migration Test for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011

Method: EN 1186-1: 2002 & EN 1186-9: 2002 & EN 1186-14: 2002

| Simulant Used     | Test Condition      | Overall Migration (mg/kg) | Maximum Allowable Limit (mg/kg) |
|-------------------|---------------------|---------------------------|---------------------------------|
|                   |                     | No.1                      |                                 |
| Distilled water   | 100°C for 0.5 hours | < 20                      | 60                              |
| 95% Ethyl alcohol | 60°C for 5 hours    | < 20                      | 60                              |
| Isooctane         | 60°C for 3 hours    | < 20                      | 60                              |
| Conclusion        | --                  | PASS                      | --                              |

Note: “<” = less than  
mg/kg = milligram per kilogram foodstuff in contact with.

### 2). Extractable Hexavalent chromium

Method: Sample preparation in 3% acetic acid at 95°C for 1.5 hours, followed by analysis using Inductively Coupled Plasma Optical Emission Spectrometer.

| Test Item                | Unit  | Results | MDL  | Maximum Permissible Limit |
|--------------------------|-------|---------|------|---------------------------|
|                          |       | No.1    |      |                           |
| Extractable Chromium(VI) | mg/kg | N.D.    | 0.01 | 0.02                      |
| Conclusion               | --    | PASS    | --   | --                        |

Note:  
1. mg/kg = milligram per kilogram foodstuff in contact with.  
2. N.D. = Not Detected (< MDL)  
3. MDL = Method Detection Limit

### 3). Extractable Lead and Cadmium Content

Method: DIN 51031:1986. The lead and cadmium contents were analyzed by Atomic Absorption Spectrophotometer.



| Unit       | No.2 Concentration (mg/article) |                          |
|------------|---------------------------------|--------------------------|
|            | Extractable Lead (Pb)           | Extractable Cadmium (Cd) |
| 1          | <0.05                           | <0.01                    |
| 2          | <0.05                           | <0.01                    |
| 3          | <0.05                           | <0.01                    |
| 4          | <0.05                           | <0.01                    |
| Average    | <0.05                           | <0.01                    |
| Limit      | 2                               | 0.2                      |
| Conclusion | PASS                            |                          |

Note: "<" = Less than

mL = milliliter

mg = milligram

#### Specimen Description:

| Test Item | Description                   | Location(s) | Material | Photo(s)   |
|-----------|-------------------------------|-------------|----------|------------|
| No. 1     | Black Teflon coating on metal | Pan         | Teflon   | Figure 1-2 |
| No. 2     | Black /white silicate         | marble      | silicate | Figure 3   |

**APPENDIX****Photo Index For The Tested Positions**

General view

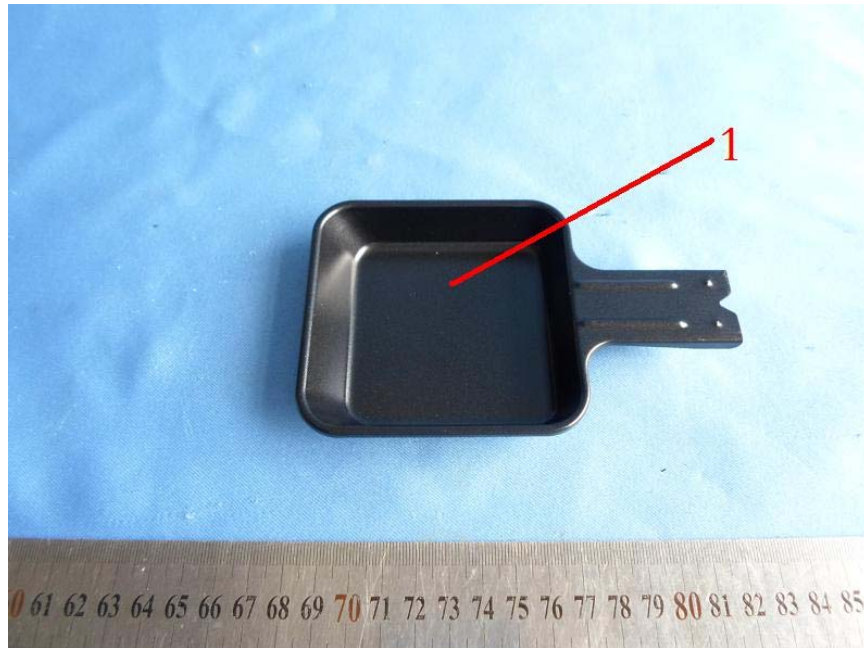


Figure 1



Figure 2



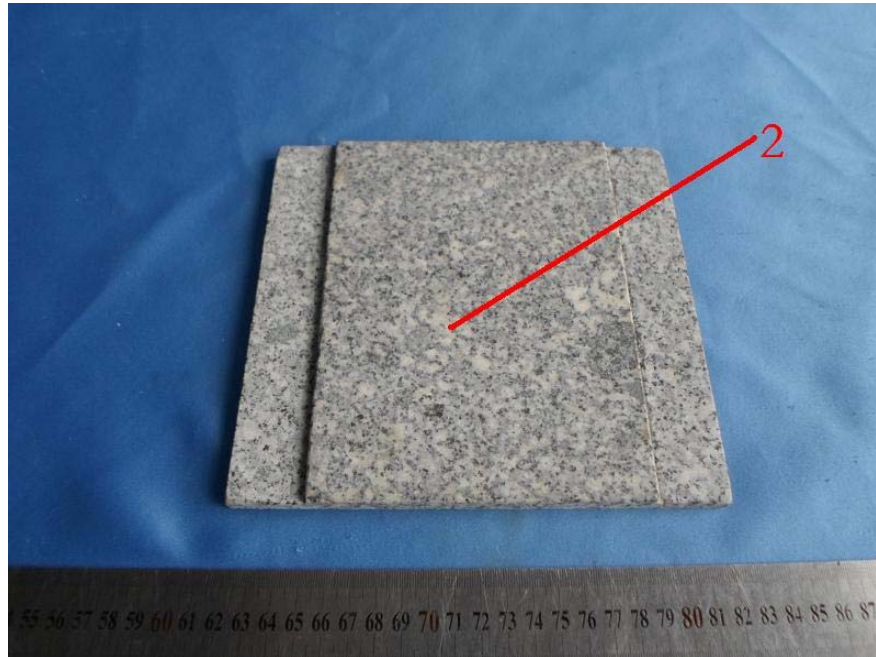


Figure 3

STU authenticate the photo on original report only

\*\*\*\*\* End of Report \*\*\*\*\*



### **EXPLANATION**

1. The inspection reports would be invalid without stamp for inspection report.
2. The copy of inspection reports would be invalid without added inspection report or inspection unit stamp.
3. The inspection report would be invalid without signatures.
4. If there is any objection to the inspection reports, please claim to inspection unit in 15 days. Any claim later than 15 days will not be considered.
5. This authorized test is executed according to client's application requirement.  
The inspection report would be invalid if altered.
6. The report is only responsible for the given samples.