



## TEST REPORT

Report No : AG028927-001 Date: 2006 November 17

Application No : LG225016

Applicant : HIGHEL HOLDINGS LIMITED  
5TH FLOOR, 880-10, HWAGOK-DONG,  
GANGSEO-GU, SEOUL,  
KOREA.

Manufactory : NINGBO SINOSTAR ELECTRIC APPLIANCE COMPANY LTD.  
NO.201 DONGHANMEN SOUTH ROAD,  
YUYAO ZHEJIANG,  
CHINA.

Sample Description : One (1) submitted sample stated to be PP Cutting Board.  
Test Part(s) : (A) White body of sample (PP & EMB & microban  
antimicrobial material)  
Article No. : F-M-10 \*\*\*


Date Received : 2006 November 03.

Test Period : 2006 November 08 - 2006 November 15.

Test Requested : 1. For material : plastics or non-stick coating  
– Overall migration test for compliance with 2002/72/EC Directive for  
plastic materials and articles intended to come into contact with foodstuffs.  
2. For material : plastics or non-stick coating  
– Soluble Heavy Metal content  
3. For material: plastics or non-stick coating  
– Primary Aromatic Amine

*For and on behalf of*  
CMA Industrial Development Foundation Limited

Authorized Signature : \_\_\_\_\_

  
Wong Chuk Fung  
Specialist  
Chemical Division

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Test Method : 1. As specified in 82/711/EEC, 85/572/EEC and 97/48/EC Directives; with reference to EN 1186 : Part 3 : 2002 (total immersion method, method A) / EN 1186 : Part 14 : 2002 (substitute test).  
2. With reference to DIN 53770. Heavy metal was extracted with 0.1 N HCl and analysed by Atomic Absorption Spectrometry (AAS) and Inductively Coupled Plasma Spectrometry (ICP).  
3. With reference to AS 2070.6- 1995

Test Result : Refer to the result(s) on page 3.

Conclusion : The submitted sample with test part(s) A was found to comply with the respective requirement(s) for the tested item(s) as stated in the German Food & Feed Acts LFGB and Regulation (EC) No. 1935/2004 (Material in contact with food regulation).

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Test Result :

### Test 1 :

| Simulant Used       | Test Condition<br>(For repeated use) | Overall Migration<br>(mg/dm <sup>2</sup> ) | Maximum<br>Permissible Limit<br>(mg/dm <sup>2</sup> ) |
|---------------------|--------------------------------------|--|---|
|                     |                                      | A  |   |
| 3% Acetic Acid      | 40°C for 2 hours                     | 3.9  | 10  |
| Rectified Olive Oil | 40°C for 2 hours                     | 3.6  | 10  |

Note: 1. mg/dm<sup>2</sup> denotes milligram per square decimetre  
2. °C denotes degree Celsius  
3. The specification was quoted from 2002/72/EC Directive.

### Test 2 :

| Test Item            | Result (mg/kg) | Maximum Permissible Limit<br>(mg/kg) |
|----------------------|----------------|--------------------------------------|
|                      | A              |                                      |
| (a) Soluble Antimony | <2             | 500                                  |
| (b) Soluble Arsenic  | <2             | 100                                  |
| (c) Soluble Barium   | <5             | 100                                  |
| (d) Soluble Cadmium  | <2             | 100                                  |
| (e) Soluble Chromium | <2             | 1000                                 |
| (f) Soluble Lead     | <5             | 100                                  |
| (g) Soluble Mercury  | <2             | 50                                   |
| (h) Soluble Selenium | <5             | 100                                  |

Note: 1. mg/kg denotes milligram per kilogram  
2. < denotes less than  
3. The specification was quoted from BfR IX "Colorants for Plastics and Other Polymers Used in Commodities."

### Test 3 :

| Test Item              | Result (%) | Maximum Permissible Limit<br>(%) |
|------------------------|------------|----------------------------------|
|                        | A          |                                  |
| Primary Aromatic Amine | <0.01      | 0.05                             |

Note: 1. % denotes percentage  
2. < denotes less than  
3. The specification was quoted from the recommendation BfR Part: IX.

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