

**Report No.:** 238548762c 001

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**Client:** WONDER GREENER CO., LTD.

**Contact Information:** 10F.-3, NO. 63, SEC. 5, NANJING E. RD., SONGSHAN DIST., TAIPEI CITY 105, Taiwan, R.O.C.

**Test item(s):** Packaging materials

**Identification/  
Model No(s):** 紙箱 Carton  
塑膠包膜 Plastic film  
膠帶 tape  
防撞包材 bubble wrap  
夾鏈袋 zipper bag  
熱縮膜 Shrink Film  
紙盒 Paper Box

**Sample obtaining method:** Sending by customer

**Condition at delivery:** Test item complete and undamaged.

**Sample Receiving date:** 2022-10-07

**Testing Period:** 2022-10-07 – 2022-10-28

**Place of testing:** TÜV Rheinland Hong Kong Ltd.

**Test Specification:**

**Test result:**

Testing according to customer's specification for the following parameters:

- |  |      |
|--|------|
| 1. Total Heavy Metal Content - Toxic in Packaging Clearinghouse (TPCH) /<br>Packaging Waste Total Heavy Metal Content - 94/62/EC | Pass |
|--|------|

For and on behalf of  
TÜV Rheinland Taiwan Ltd.

Arthur Cheng 

2022-10-28

Arthur Cheng / Project Manager

Date

Name/Position

*Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.*

*This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.*

*'Decision Rule' document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.*

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**Material List:**

Item: 紙箱 Carton  
 塑膠包膜 Plastic film  
 膠帶 tape  
 防撞包材 bubble wrap  
 夾鏈袋 zipper bag  
 熱縮膜 Shrink Film  
 紙盒 Paper Box

| Material No. | Material         | Color           | Location                        |
|--------------|------------------|-----------------|---------------------------------|
| M001         | Paper            | Brown           | 紙箱 Carton, TCL221007-03         |
| M002         | Plastic          | Transparent     | 塑膠包膜 Plastic film, TCL221007-04 |
| M003         | Tape             | Transparent     | 膠帶 tape, TCL221007-05           |
| M004         | Plastic          | Transparent     | 防撞包材 bubble wrap, TCL221007-06  |
| M005         | Plastic          | Transparent/Red | 夾鏈袋 zipper bag, TCL221007-07    |
| M006         | Plastic          | Transparent     | 熱縮膜 Shrink Film, TCL221007-08   |
| M007         | Paper + printing | White/Green     | 紙盒 Paper Box, TCL221007-09      |

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**1.Total Heavy Metal Content - Toxic in Packaging Clearinghouse (TPCH) /  
Packaging Waste Total Heavy Metal Content - 94/62/EC**

Test Method: Sample digestion, analyzed by ICP-OES / Ultraviolet Visible Spectrophotometer (UV-Vis)

**Result:**

| Test No. | Material No. | Test Parameters              | Unit  | RL | Regulatory Requirement | Result | Conclusion |
|----------|--------------|------------------------------|-------|----|------------------------|--------|------------|
| T001     | M001         | Pb                           | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Cd                           | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Cr (VI)                      | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Hg                           | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Sum of Pb, Cd, Cr(VI) and Hg | mg/kg | 10 | 100                    | <RL    | Pass       |
| T002     | M002         | Pb                           | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Cd                           | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Cr (VI)                      | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Hg                           | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Sum of Pb, Cd, Cr(VI) and Hg | mg/kg | 10 | 100                    | <RL    | Pass       |
| T003     | M003         | Pb                           | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Cd                           | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Cr (VI)                      | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Hg                           | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Sum of Pb, Cd, Cr(VI) and Hg | mg/kg | 10 | 100                    | <RL    | Pass       |
| T004     | M004         | Pb                           | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Cd                           | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Cr (VI)                      | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Hg                           | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Sum of Pb, Cd, Cr(VI) and Hg | mg/kg | 10 | 100                    | <RL    | Pass       |
| T005     | M005         | Pb                           | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Cd                           | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Cr (VI)                      | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Hg                           | mg/kg | 10 | -                      | < RL   | -          |
|          |              | Sum of Pb, Cd, Cr(VI) and Hg | mg/kg | 10 | 100                    | <RL    | Pass       |

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|      |      |                              |       |    |     |      |      |
|------|------|------------------------------|-------|----|-----|------|------|
| T006 | M006 | Pb                           | mg/kg | 10 | -   | < RL | -    |
|      |      | Cd                           | mg/kg | 10 | -   | < RL | -    |
|      |      | Cr (VI)                      | mg/kg | 10 | -   | < RL | -    |
|      |      | Hg                           | mg/kg | 10 | -   | < RL | -    |
|      |      | Sum of Pb, Cd, Cr(VI) and Hg | mg/kg | 10 | 100 | <RL  | Pass |
| T007 | M007 | Pb                           | mg/kg | 10 | -   | < RL | -    |
|      |      | Cd                           | mg/kg | 10 | -   | < RL | -    |
|      |      | Cr (VI)                      | mg/kg | 10 | -   | < RL | -    |
|      |      | Hg                           | mg/kg | 10 | -   | < RL | -    |
|      |      | Sum of Pb, Cd, Cr(VI) and Hg | mg/kg | 10 | 100 | <RL  | Pass |

**Abbreviation:** < = less than  
 RL = Reporting Limit  
 mg/kg = milligram per kilogram

**Remark:**

- \* According to the US Toxic in Packaging Clearinghouse (TPCH) - Model Toxics in Packaging Legislation, revised as Dec 2008; the maximum permissible limit of the sum of the concentration of Lead, Cadmium, Mercury and Hexavalent Chromium is 100ppm. For recycled materials, the maximum permissible limit for the 4 regulated metals is 200ppm.
- \*\* According to "European Parliament and Council Directive 94/62/EC of 20 December 1994"; the maximum permissible limit of the sum of the concentration of Lead, Cadmium, Mercury and Hexavalent Chromium is 100ppm.
- \*\*\* Single element with an amount of less than reporting limit were not considered by the calculation of the sum. In the case of all elements were less than reporting limit, the result is stated < RL.

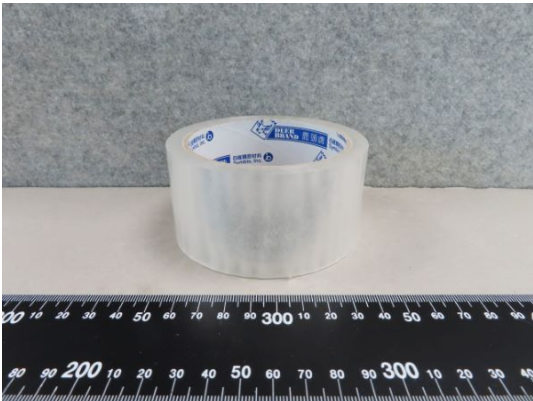
Sample Photos



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Sample Photo



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