

REPORT

Technical Report: (5219)085-0552

Page 1 of 8 MAY 10, 2019



Bureau Veritas Hong Kong Limited Kowloon Bay Office 1/F Pacific Trade Centre, 2 Kai Hing Road, Kowloon Bay, Kowloon, Hong Kong Tel: (852) 2331-0888 Fax: (852) 2331-0889 www.bureauveritas.com/cps This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the tot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing add shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



CONSUMER PRODUCTS SERVICES DIVISION

GROWING

Technical Report: Date Received:

(5219)085-0552 MARCH 26, 2019

KYOKO HIRATA GROWING #404, 1-4-45 TORIKAI, CHUO-KU, FUKUOKA 810-0053, JAPAN

PASS

MAY 10, 2019

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| Sample Description: | 7-IN-1 DECANTIERE | | |
|----------------------|--|-------------------------|---------------|
| Manufacturer: | HUIZHOU JINYING PLASTIC METAL MANUFACTORY DIGITAL INDUSTRIAL DISTRICT, HUIZHOU 516025, GUANG DONG, CHINA | PO No.: | N/A |
| Buyer: | GROWING | Style: | 409115 |
| Country of Origin: | CHINA | Country of Destination: | JAPAN |
| Color: | N/A | SKU No.: | N/A |
| Protocol No.: | N/A | UPC Code: | 4897032181311 |
| Previous Report No.: | N/A | Lot No: | N/A |

Bureau Veritas Hong Kong Limited Kowloon Bay Office

I/F Pacific Trade Centre, 2 Kai Hing Road, Kowloon Bay, Kowloon, Hong Kong Tel: (852) 2331-0888 Fax: (852) 2331-0889 www.bureauveritas.com/cps This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at <u>http://www.buresuverlas.com/home/about.us/our_business/cos/about.us/terms-conditions/and</u> is intended for your exclusive use. Any copying or replication of this report to of for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was laten or any similar or identical product unless specifically and expression. This is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



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RESULT(S):

- The plastic materials requirements of the applicable sections (s) of Section III Implements, Containers, and Packaging, Specifications and Standards for Foods, Food Additives, etc. Under the Food Sanitation Law of Japan, Ministry of Health and Welfare Notice No.370 of 1959, The Ministry of Health , Labour and Welfare Notice No.201 on 2006.
- The migration of synthetic chemical colors requirements of the Japanese Food Sanitation Law, Section III, "Implements, Containers, and Packaging".

MIGRATION OF SYNTHETIC CHEMICAL COLORS REQUIREMENTS (Japanese Food Sanitation Law, Section III "Implements, Containers, and Packaging")

Test: Observation of dissolution of color in the leaching solution

Requirement: No dissolution of color shall be observed in the leaching solution

| | Color / Component | Location | Style |
|----|--------------------------------------|----------------------|-------|
| A. | Black soft silicone rubber | Stopper | / |
| В. | Dull black soft Thermoplastic Rubber | Outer layer of pipes | / |
| C. | Black Polypropylene | Pipes | / |

| | | | Result | | |
|-------------------|-------------------------|----------------|----------------|----------------|--|
| Leaching solution | Leaching conditions | Sample ID | | | |
| | | А. | В. | C. | |
| Water | At 60°C, for 30 minutes | Not recognized | Not recognized | Not recognized | |
| 4% acetic acid | At 60°C, for 30 minutes | Not recognized | Not recognized | Not recognized | |
| Heptane | At 25°C, for 1 hour | N/A | N/A | Not recognized | |
| 20% ethanol | At 60°C, for 30 minutes | Not recognized | Not recognized | Not recognized | |
| | Conclusion | Pass | Pass | Pass | |

Recognized Not Recognized N/A = Dissolution of color is/are observed when comparing with blank leaching solution(s).

= Not applicable

d = Dissolution of color is/are <u>NOT</u> observed when comparing with blank leaching solution(s).



GROWING Technical Report: **(5219)085-0552** MAY 10, 2019 Page 4 of 8 panese Food Sanitation Law, Section III, identification has been ensuided by the

- The plastic materials requirements of the applicable section(s) of the Japanese Food Sanitation Law, Section III, "Implements, Containers, and Packaging", Subsection D. The material identification has been provided by the client/vendor.

RUBBER EXCEPT NURSING UTENSILS - SPECIFICATIONS OF PACKAGES, AND THEIR MATERIALS BY MATERIALS (Japanese Food Sanitation Law, Section III "Implements, Containers and Packages", Subsection D.)

Reference: Specifications and Standards for Foods, Food Additives, Etc. under the Food Sanitation Law (Abstracts), 2008, Section III - Apparatus and container-packages including amendments of Ministry of Health and Welfare Ordinance No. 595, 2012.

| Sample Identity | Test Component | Location | Style |
|--------------------|----------------------------|----------|-------|
| А. | Black soft silicone rubber | Stopper | / |

| Parameter | | Result | Limit | Conclusion |
|--------------------------|---------------------|-------------|----------|------------|
| I) Requirement | | | | |
| Material Test | | | | |
| Cadmium | | LT 25 µg/g | 100 µg/g | Pass |
| • Lead | | LT 25 µg/g | 100 µg/g | Pass |
| Elution Test | Leaching conditions | | | |
| Heavy metals | At 60°C, | LT 1 µg/ml | 1 μg/ml | Pass |
| (4% Acetic acid) | for 30 minutes | | | |
| • 2-Mercaptoimidazoline | | -ve | -ve | Pass |
| • Phenol (Water) | At 60°C, | LT 5 µg/ml | 5 μg/ml | Pass |
| | for 30 minutes | | | |
| • Formaldehyde (Water) | At 60°C, | -ve | -ve | Pass |
| • • • | for 30 minutes | | | |
| • Zinc (4% Acetic acid) | At 60°C, | LT 15 µg/ml | 15 µg/ml | Pass |
| | for 30 minutes | | | |
| Evaporation residue | | | | |
| - Water | At 60°C, | LT 5 µg/ml | 60 µg/ml | Pass |
| | for 30 minutes | | | |

| +ve | = Positive |
|-----|------------|
| -ve | = Negative |

Note: According to the Japanese Food Sanitation Law, Section III "Equipment and Packages", Subsection F- Standards of manufacture of equipment and packages, Paragraph 2, the synthetic chemical colors used in the manufacture of equipment or packages shall be colors listed in the Attached Table 2 of the Food Sanitation Law Enforcement Regulations (Ministry of Health and Welfare Ordinance No. 23, 1948).

GT

⁼ Less than = Greater than



GROWING Technical Report: **(5219)085-0552** MAY 10, 2019 Page 5 of 8 panese Food Sanitation Law, Section III, identification has been provided by the

- The plastic materials requirements of the applicable section(s) of the Japanese Food Sanitation Law, Section III, "Implements, Containers, and Packaging", Subsection D. The material identification has been provided by the client/vendor.

RUBBER EXCEPT NURSING UTENSILS - SPECIFICATIONS OF PACKAGES, AND THEIR MATERIALS BY MATERIALS (Japanese Food Sanitation Law, Section III "Implements, Containers and Packages", Subsection D.)

Reference: Specifications and Standards for Foods, Food Additives, Etc. under the Food Sanitation Law (Abstracts), 2008, Section III - Apparatus and container-packages including amendments of Ministry of Health and Welfare Ordinance No. 595, 2012.

| Sample Identity | Test Component | Location | Style |
|--------------------|--------------------------------------|----------------------|-------|
| B. | Dull black soft Thermoplastic Rubber | Outer layer of pipes | / |

| Parameter | | Result | Limit | Conclusion |
|---|---------------------|-------------|----------|------------|
| I) Requirement | | | | |
| Material Test | | | | |
| Cadmium | | LT 25 µg/g | 100 µg/g | Pass |
| • Lead | | LT 25 µg/g | 100 µg/g | Pass |
| Elution Test | Leaching conditions | | | |
| Heavy metals | At 60°C, | LT 1 µg/ml | 1 μg/ml | Pass |
| (4% Acetic acid) | for 30 minutes | | | |
| • 2-Mercaptoimidazoline | | -ve | -ve | Pass |
| • Phenol (Water) | At 60°C, | LT 5 µg/ml | 5 μg/ml | Pass |
| | for 30 minutes | | | |
| • Formaldehyde (Water) | At 60°C, | -ve | -ve | Pass |
| - | for 30 minutes | | | |
| • Zinc (4% Acetic acid) | At 60°C, | LT 15 µg/ml | 15 µg/ml | Pass |
| | for 30 minutes | | | |
| Evaporation residue | | | | |
| - Water | At 60°C, | LT 5 µg/ml | 60 µg/ml | Pass |
| | for 30 minutes | | | |

| +ve | = Positive | LT | = Less than |
|-----|------------|----|----------------|
| -ve | = Negative | GT | = Greater than |

Note: According to the Japanese Food Sanitation Law, Section III "Equipment and Packages", Subsection F- Standards of manufacture of equipment and packages, Paragraph 2, the synthetic chemical colors used in the manufacture of equipment or packages shall be colors listed in the Attached Table 2 of the Food Sanitation Law Enforcement Regulations (Ministry of Health and Welfare Ordinance No. 23, 1948).



client/vendor.

GROWING Technical Report: (5219)085-0552 MAY 10, 2019 Page 6 of 8 The plastic materials requirements of the applicable section(s) of the Japanese Food Sanitation Law, Section III, "Implements, Containers, and Packaging", Subsection D. The material identification has been provided by the

POLYETHYLENE (PE) AND POLYPROPYLENE (PP) - SPECIFICATIONS OF PACKAGES, AND THEIR MATERIALS BY MATERIALS (Japanese Food Sanitation Law, Section III "Implements, Containers and Packages", Subsection D.)

Reference: Specifications and Standards for Foods, Food Additives, Etc. under the Food Sanitation Law (Abstracts), 2008, Section III - Apparatus and container-packages.

| Sample Identity | Test Component | Location | Style |
|--------------------|---------------------|----------|-------|
| C. | Black Polypropylene | Pipes | / |

| Parameter | | Result | Limit | Conclusion |
|---|----------------------------|------------|--------------------|------------|
| I) General Requirement Material Test | | | | |
| • Cadmium | | LT 25 µg/g | 100 µg/g | Pass |
| • Lead | | LT 25 µg/g | 100 µg/g | Pass |
| Elution Test | Leaching conditions | | - 1 | |
| • Heavy metals (4% Acetic acid) | At 60°C, for 30 minutes | LT 1 µg/ml | 1 μg/ml | Pass |
| • Consumption of potassium permanganate (KMnO4) (Water) | At 60°C, for 30 minutes | 4.67 μg/ml | 10 µg/ml | Pass |
| II) Individual Requirement | | | | |
| Evaporation residue n-Heptane (sample used at temperature 100°C or less) | At 25°C, for 60 minutes | LT 5 µg/ml | 150 μ <i>g</i> /ml | Pass |
| - 20% Ethanol | At 60°C, for 30 minutes | 12.3 µg/ml | 30 µg/ml | Pass |
| - Water | At 60°C, for 30 minutes | 10.4 µg/ml | 30 µg/ml | Pass |
| - 4% Acetic acid | At 60°C, for 30 minutes | LT 5 µg/ml | 30 µg/ml | Pass |

LT= Less than = Greater than

According to the Japanese Food Sanitation Law, Section III "Equipment and Packages", Subsection F- Standards of Note: manufacture of equipment and packages, Paragraph 2, the synthetic chemical colors used in the manufacture of equipment or packages shall be colors listed in the Attached Table 2 of the Food Sanitation Law Enforcement Regulations (Ministry of Health and Welfare Ordinance No. 23, 1948).

GT



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NOTE: If there are questions or concerns regarding above report, please contact the appropriate lab persons.

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