Tests According to Standards for Apparatus and Container-Packages Made of Rubber (Notification No. 370, issued by the Ministry of Health and Welfare of Japan, dated in 1959)

Final revision by Nortification No.380 (2020)

| (1) Rubber utensils (except nursing utensils) and containers /packagings | | | | | | | | |
|--|---|---------------------|--|--------------------------------|---|---|--|--|
| Test Item | Standard | | Elution conditon (Elution rate: 2 mL/cm²) Condition Condition | | Unit Price (JPY) | Required amounts of | | |
| | | | for use ≦100°C | for use >100°C | | test samples | | |
| Material Test | | | | | | | | |
| Cadmium and Lead | Not exceed the absorbance of the solution (each 100 µg/g or less) | standard | | | *1 Silicone rubber:15000 Other rubber:11000 | 3 g | | |
| 2-Mercaptoimidazoline *2 | Peak of 2-Mercaptoimidazoline mu found | ust not be | | | 12000 | 3 g | | |
| ElutionTest | | | | | | | | |
| Phenol | Not exceed the absorbance of the solution (5 µg/mL or less) | standard | Water | Water 95°C, 30 min | 5500 | According to Evaporation residue condition, minimum | | |
| Formaldehyde | Not darker in color than the contras (about 4 µg/mL or less) | st solution | 60°C, 30 min | | 6000 | | | |
| Zinc | Not exceed the absorbance of the solution (15 µg/mL or less) | standard | 4% acetic acid | 4% acetic acid 95°C, 30 min | 5500 | | | |
| Heavy metals | Not darker in color than the control (1 µg/mL or less) | solution | 60°C, 30 min | | 3000 | | | |
| Evaporation residue *3 | Fats, oils and fatty foods, Alcoholic beverages | 60 µg/mL or less | 20 % ethanol 60°C, 30 min | | 4500 | (1sheet : | | |
| | pH over 5 | | Water 60°C, 30 min | Water 95°C, 30 min | 4500 | 210mm × 297mm, A4 size) | | |
| | pH 5 or less | | 4% acetic acid 60°C, 30 min | 4% acetic acid 95°C, 30 min | 4500 | | | |

^{*1:} To confirm whether it is silicone rubber or not, the identification test is available; JPY6000

^{*3:} For implements, use water as leaching solution. For containers and packaging, leaching solutions must be chosen according to the type of foods.

| (2) Nursing utensils | | | | | | | | |
|----------------------|---|---|---|----------------------------------|--|--|--|--|
| Test Item | Standard | Elution conditon (Elution rate: 20 mL/g) | Unit Price (JPY) | Required amounts of test samples | | | | |
| Material Test | | | | | | | | |
| Cadmium and Lead | Not exceed the absorbance of the standard solution (each 10 μg/g or less) | | *1 Silicone rubber:15000 Other rubber:11000 | | | | | |
| ElutionTest | | | | | | | | |
| Phenol | Not exceed the absorbance of the standard solution (5 µg/mL or less) | | 5500 | and | | | | |
| Formaldehyde | Not darker in color than the contrast solution (about 4 µg/mL or less) | Water 40°C, 24 hours | 6000 | | | | | |
| Zinc | Not exceed the absorbance of the standard solution (1 µg/mL or less) | | 5500 | | | | | |
| Heavy metals | Not darker in color than the control solution (1 μg/mL or less) | 4% acetic acid 40°C, 24 hours | 3000 | | | | | |
| Evaporation residue | 40 μg/mL or less | Water 40°C, 24 hours | 4500 | | | | | |

^{*1:} To confirm whether it is silicone rubber or not, the identification test is available; JPY6000

^{*2:} Applied to only rubber products that contain chlorine. Qualitative test of chlorine: JPY3000