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Report Issue Date: 2024.11.20


# TEST REPORT

**Test Report No. : 6200698-1.50QS**
**Project no. : 6200698**

| | | |
|---|---|---|
| Client | : | OONI LIMITED<br>Unit 5, Ooni Park, 189 West Main Street, Broxburn, West Lothian,Scotland, EH52 5LH, United Kingdom |
| Date sample received | : | 2024.08.15 |
| Product | : | Spiral Mixer |
| Product description | : | Please refer to next page(s). |
| Model | : | UU-P31300 |
| Test Requested | : | EU 10/2011 and its amendments<br>AP(2004)5<br>CM Res(2013)9 |
| Test Method | : | Please refer to next page(s). |
| Result | : | Please refer to next page(s). |
| Testing Period | : | 2024.08.16—2024.08.26 |

Signed for and on behalf of
**DEKRA Testing and Certification (Shanghai) Ltd**

Wu Jialei（吴嘉雷）
Project Manager

Wu Xiang（吴翔）
Test Engineer

# TEST RESULTS

## 1: Extractable heavy metals

**Test Method:** With reference to Techical guide on metals and alloys used in food contact materials and articles of the 1st edition in 2013, analysis was performed by ICP-MS.

**Test condition:** 0.5% citric acid, 70℃, 2h

| Extractable Elements | The 1st Result 001 (mg/kg) | The 2nd Result 001 (mg/kg) | The 1st+2nd Result 001 (mg/kg) | 7*Limit (mg/kg) | The 3rd Result 001 (mg/kg) | Limit (mg/kg) |
|---|---|---|---|---|---|---|
| Silver (Ag) | N.D. | N.D. | N.D. | 0.56 | N.D. | 0.08 |
| Aluminium (Al) | N.D. | N.D. | N.D. | 35 | N.D. | 5 |
| Chromium (Cr) | N.D. | N.D. | N.D. | 1.75 | N.D. | 0.250 |
| Cobalt (Co) | N.D. | N.D. | N.D. | 0.14 | N.D. | 0.02 |
| Copper (Cu) | N.D. | N.D. | N.D. | 28 | N.D. | 4 |
| Iron (Fe) | N.D. | N.D. | N.D. | 280 | N.D. | 40 |
| Magnesium (Mg) | N.D. | N.D. | N.D. | --- | N.D. | --- |
| Manganese (Mn) | N.D. | N.D. | N.D. | 12.6 | N.D. | 1.8 |
| Molybdenum (Mo) | N.D. | N.D. | N.D. | 0.84 | N.D. | 0.12 |
| Nickel (Ni) | N.D. | N.D. | N.D. | 0.98 | N.D. | 0.14 |
| Tin (Sn) | N.D. | N.D. | N.D. | 700 | N.D. | 100 |
| Titanium (Ti) | N.D. | N.D. | N.D. | --- | N.D. | --- |
| Vanadium (V) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.01 |
| Zinc (Zn) | N.D. | N.D. | N.D. | 35 | N.D. | 5 |
| Antimony (Sb) | N.D. | N.D. | N.D. | 0.28 | N.D. | 0.04 |
| Arsenic (As) | N.D. | N.D. | N.D. | 0.014 | N.D. | 0.002 |
| Barium (Ba) | N.D. | N.D. | N.D. | 8.4 | N.D. | 1.2 |
| Beryllium (Be) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.01 |
| Cadmium (Cd) | N.D. | N.D. | N.D. | 0.035 | N.D. | 0.005 |
| Lead (Pb) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.010 |
| Lithium (Li) | N.D. | N.D. | N.D. | 0.336 | N.D. | 0.048 |
| Mercury (Hg) | N.D. | N.D. | N.D. | 0.021 | N.D. | 0.003 |
| Thallium (Tl) | N.D. | N.D. | N.D. | 0.0007 | N.D. | 0.0001 |
| **Comment** | / | | **PASS** | / | **PASS** | |

| Extractable Elements | The 1st Result 002 (mg/kg) | The 2nd Result 002 (mg/kg) | The 1st+2nd Result 002 (mg/kg) | 7*Limit (mg/kg) | The 3rd Result 002 (mg/kg) | Limit (mg/kg) |
|---|---|---|---|---|---|---|
| Silver (Ag) | N.D. | N.D. | N.D. | 0.56 | N.D. | 0.08 |
| Aluminium (Al) | N.D. | N.D. | N.D. | 35 | N.D. | 5 |
| Chromium (Cr) | N.D. | N.D. | N.D. | 1.75 | N.D. | 0.250 |
| Cobalt (Co) | N.D. | N.D. | N.D. | 0.14 | N.D. | 0.02 |
| Copper (Cu) | N.D. | N.D. | N.D. | 28 | N.D. | 4 |
| Iron (Fe) | N.D. | N.D. | N.D. | 280 | N.D. | 40 |
| Magnesium (Mg) | N.D. | N.D. | N.D. | --- | N.D. | --- |
| Manganese (Mn) | N.D. | N.D. | N.D. | 12.6 | N.D. | 1.8 |
| Molybdenum (Mo) | N.D. | N.D. | N.D. | 0.84 | N.D. | 0.12 |
| Nickel (Ni) | N.D. | N.D. | N.D. | 0.98 | N.D. | 0.14 |
| Tin (Sn) | N.D. | N.D. | N.D. | 700 | N.D. | 100 |
| Titanium (Ti) | N.D. | N.D. | N.D. | --- | N.D. | --- |
| Vanadium (V) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.01 |
| Zinc (Zn) | N.D. | N.D. | N.D. | 35 | N.D. | 5 |
| Antimony (Sb) | N.D. | N.D. | N.D. | 0.28 | N.D. | 0.04 |
| Arsenic (As) | N.D. | N.D. | N.D. | 0.014 | N.D. | 0.002 |
| Barium (Ba) | N.D. | N.D. | N.D. | 8.4 | N.D. | 1.2 |
| Beryllium (Be) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.01 |
| Cadmium (Cd) | N.D. | N.D. | N.D. | 0.035 | N.D. | 0.005 |
| Lead (Pb) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.010 |
| Lithium (Li) | N.D. | N.D. | N.D. | 0.336 | N.D. | 0.048 |
| Mercury (Hg) | N.D. | N.D. | N.D. | 0.021 | N.D. | 0.003 |
| Thallium (Tl) | N.D. | N.D. | N.D. | 0.0007 | N.D. | 0.0001 |
| **Comment** | / | | **PASS** | / | **PASS** | |

| Extractable Elements | The 1st Result 003 (mg/kg) | The 2nd Result 003 (mg/kg) | The 1st+2nd Result 003 (mg/kg) | 7*Limit (mg/kg) | The 3rd Result 003 (mg/kg) | Limit (mg/kg) |
|---|---|---|---|---|---|---|
| Silver (Ag) | N.D. | N.D. | N.D. | 0.56 | N.D. | 0.08 |
| Aluminium (Al) | N.D. | N.D. | N.D. | 35 | N.D. | 5 |
| Chromium (Cr) | N.D. | N.D. | N.D. | 1.75 | N.D. | 0.250 |
| Cobalt (Co) | N.D. | N.D. | N.D. | 0.14 | N.D. | 0.02 |
| Copper (Cu) | N.D. | N.D. | N.D. | 28 | N.D. | 4 |
| Iron (Fe) | N.D. | N.D. | N.D. | 280 | N.D. | 40 |
| Magnesium (Mg) | N.D. | N.D. | N.D. | --- | N.D. | --- |
| Manganese (Mn) | N.D. | N.D. | N.D. | 12.6 | N.D. | 1.8 |
| Molybdenum (Mo) | N.D. | N.D. | N.D. | 0.84 | N.D. | 0.12 |
| Nickel (Ni) | N.D. | N.D. | N.D. | 0.98 | N.D. | 0.14 |
| Tin (Sn) | N.D. | N.D. | N.D. | 700 | N.D. | 100 |
| Titanium (Ti) | N.D. | N.D. | N.D. | --- | N.D. | --- |
| Vanadium (V) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.01 |
| Zinc (Zn) | N.D. | N.D. | N.D. | 35 | N.D. | 5 |
| Antimony (Sb) | N.D. | N.D. | N.D. | 0.28 | N.D. | 0.04 |
| Arsenic (As) | N.D. | N.D. | N.D. | 0.014 | N.D. | 0.002 |
| Barium (Ba) | N.D. | N.D. | N.D. | 8.4 | N.D. | 1.2 |
| Beryllium (Be) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.01 |
| Cadmium (Cd) | N.D. | N.D. | N.D. | 0.035 | N.D. | 0.005 |
| Lead (Pb) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.010 |
| Lithium (Li) | N.D. | N.D. | N.D. | 0.336 | N.D. | 0.048 |
| Mercury (Hg) | N.D. | N.D. | N.D. | 0.021 | N.D. | 0.003 |
| Thallium (Tl) | N.D. | N.D. | N.D. | 0.0007 | N.D. | 0.0001 |
| **Comment** | / | | **PASS** | / | **PASS** | |

| Extractable Elements | The 1st Result 004 (mg/kg) | The 2nd Result 004 (mg/kg) | The 1st+2nd Result 004 (mg/kg) | 7*Limit (mg/kg) | The 3rd Result 004 (mg/kg) | Limit (mg/kg) |
|---|---|---|---|---|---|---|
| Silver (Ag) | N.D. | N.D. | N.D. | 0.56 | N.D. | 0.08 |
| Aluminium (Al) | N.D. | N.D. | N.D. | 35 | N.D. | 5 |
| Chromium (Cr) | N.D. | N.D. | N.D. | 1.75 | N.D. | 0.250 |
| Cobalt (Co) | N.D. | N.D. | N.D. | 0.14 | N.D. | 0.02 |
| Copper (Cu) | N.D. | N.D. | N.D. | 28 | N.D. | 4 |
| Iron (Fe) | N.D. | N.D. | N.D. | 280 | N.D. | 40 |
| Magnesium (Mg) | N.D. | N.D. | N.D. | --- | N.D. | --- |
| Manganese (Mn) | N.D. | N.D. | N.D. | 12.6 | N.D. | 1.8 |
| Molybdenum (Mo) | N.D. | N.D. | N.D. | 0.84 | N.D. | 0.12 |
| Nickel (Ni) | N.D. | N.D. | N.D. | 0.98 | N.D. | 0.14 |
| Tin (Sn) | N.D. | N.D. | N.D. | 700 | N.D. | 100 |
| Titanium (Ti) | N.D. | N.D. | N.D. | --- | N.D. | --- |
| Vanadium (V) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.01 |
| Zinc (Zn) | N.D. | N.D. | N.D. | 35 | N.D. | 5 |
| Antimony (Sb) | N.D. | N.D. | N.D. | 0.28 | N.D. | 0.04 |
| Arsenic (As) | N.D. | N.D. | N.D. | 0.014 | N.D. | 0.002 |
| Barium (Ba) | N.D. | N.D. | N.D. | 8.4 | N.D. | 1.2 |
| Beryllium (Be) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.01 |
| Cadmium (Cd) | N.D. | N.D. | N.D. | 0.035 | N.D. | 0.005 |
| Lead (Pb) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.010 |
| Lithium (Li) | N.D. | N.D. | N.D. | 0.336 | N.D. | 0.048 |
| Mercury (Hg) | N.D. | N.D. | N.D. | 0.021 | N.D. | 0.003 |
| Thallium (Tl) | N.D. | N.D. | N.D. | 0.0007 | N.D. | 0.0001 |
| **Comment** | / | | **PASS** | / | **PASS** | |

| Extractable Elements | The 1st Result 005 (mg/kg) | The 2nd Result 005 (mg/kg) | The 1st+2nd Result 005 (mg/kg) | 7*Limit (mg/kg) | The 3rd Result 005 (mg/kg) | Limit (mg/kg) |
|---|---|---|---|---|---|---|
| Silver (Ag) | N.D. | N.D. | N.D. | 0.56 | N.D. | 0.08 |
| Aluminium (Al) | N.D. | N.D. | N.D. | 35 | N.D. | 5 |
| Chromium (Cr) | N.D. | N.D. | N.D. | 1.75 | N.D. | 0.250 |
| Cobalt (Co) | N.D. | N.D. | N.D. | 0.14 | N.D. | 0.02 |
| Copper (Cu) | N.D. | N.D. | N.D. | 28 | N.D. | 4 |
| Iron (Fe) | N.D. | N.D. | N.D. | 280 | N.D. | 40 |
| Magnesium (Mg) | N.D. | N.D. | N.D. | --- | N.D. | --- |
| Manganese (Mn) | N.D. | N.D. | N.D. | 12.6 | N.D. | 1.8 |
| Molybdenum (Mo) | N.D. | N.D. | N.D. | 0.84 | N.D. | 0.12 |
| Nickel (Ni) | N.D. | N.D. | N.D. | 0.98 | N.D. | 0.14 |
| Tin (Sn) | N.D. | N.D. | N.D. | 700 | N.D. | 100 |
| Titanium (Ti) | N.D. | N.D. | N.D. | --- | N.D. | --- |
| Vanadium (V) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.01 |
| Zinc (Zn) | N.D. | N.D. | N.D. | 35 | N.D. | 5 |
| Antimony (Sb) | N.D. | N.D. | N.D. | 0.28 | N.D. | 0.04 |
| Arsenic (As) | N.D. | N.D. | N.D. | 0.014 | N.D. | 0.002 |
| Barium (Ba) | N.D. | N.D. | N.D. | 8.4 | N.D. | 1.2 |
| Beryllium (Be) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.01 |
| Cadmium (Cd) | N.D. | N.D. | N.D. | 0.035 | N.D. | 0.005 |
| Lead (Pb) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.010 |
| Lithium (Li) | N.D. | N.D. | N.D. | 0.336 | N.D. | 0.048 |
| Mercury (Hg) | N.D. | N.D. | N.D. | 0.021 | N.D. | 0.003 |
| Thallium (Tl) | N.D. | N.D. | N.D. | 0.0007 | N.D. | 0.0001 |
| **Comment** | / | | **PASS** | / | **PASS** | |

| Extractable Elements | The 1st Result 006 (mg/kg) | The 2nd Result 006 (mg/kg) | The 1st+2nd Result 006 (mg/kg) | 7*Limit (mg/kg) | The 3rd Result 006 (mg/kg) | Limit (mg/kg) |
|---|---|---|---|---|---|---|
| Silver (Ag) | N.D. | N.D. | N.D. | 0.56 | N.D. | 0.08 |
| Aluminium (Al) | N.D. | N.D. | N.D. | 35 | N.D. | 5 |
| Chromium (Cr) | N.D. | N.D. | N.D. | 1.75 | N.D. | 0.250 |
| Cobalt (Co) | N.D. | N.D. | N.D. | 0.14 | N.D. | 0.02 |
| Copper (Cu) | N.D. | N.D. | N.D. | 28 | N.D. | 4 |
| Iron (Fe) | N.D. | N.D. | N.D. | 280 | N.D. | 40 |
| Magnesium (Mg) | N.D. | N.D. | N.D. | --- | N.D. | --- |
| Manganese (Mn) | N.D. | N.D. | N.D. | 12.6 | N.D. | 1.8 |
| Molybdenum (Mo) | N.D. | N.D. | N.D. | 0.84 | N.D. | 0.12 |
| Nickel (Ni) | N.D. | N.D. | N.D. | 0.98 | N.D. | 0.14 |
| Tin (Sn) | N.D. | N.D. | N.D. | 700 | N.D. | 100 |
| Titanium (Ti) | N.D. | N.D. | N.D. | --- | N.D. | --- |
| Vanadium (V) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.01 |
| Zinc (Zn) | N.D. | N.D. | N.D. | 35 | N.D. | 5 |
| Antimony (Sb) | N.D. | N.D. | N.D. | 0.28 | N.D. | 0.04 |
| Arsenic (As) | N.D. | N.D. | N.D. | 0.014 | N.D. | 0.002 |
| Barium (Ba) | N.D. | N.D. | N.D. | 8.4 | N.D. | 1.2 |
| Beryllium (Be) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.01 |
| Cadmium (Cd) | N.D. | N.D. | N.D. | 0.035 | N.D. | 0.005 |
| Lead (Pb) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.010 |
| Lithium (Li) | N.D. | N.D. | N.D. | 0.336 | N.D. | 0.048 |
| Mercury (Hg) | N.D. | N.D. | N.D. | 0.021 | N.D. | 0.003 |
| Thallium (Tl) | N.D. | N.D. | N.D. | 0.0007 | N.D. | 0.0001 |
| **Comment** | / | | **PASS** | / | **PASS** | |

| Extractable Elements | The 1st Result 007 (mg/kg) | The 2nd Result 007 (mg/kg) | The 1st+2nd Result 007 (mg/kg) | 7*Limit (mg/kg) | The 3rd Result 007 (mg/kg) | Limit (mg/kg) |
|---|---|---|---|---|---|---|
| Silver (Ag) | N.D. | N.D. | N.D. | 0.56 | N.D. | 0.08 |
| Aluminium (Al) | N.D. | N.D. | N.D. | 35 | N.D. | 5 |
| Chromium (Cr) | N.D. | N.D. | N.D. | 1.75 | N.D. | 0.250 |
| Cobalt (Co) | N.D. | N.D. | N.D. | 0.14 | N.D. | 0.02 |
| Copper (Cu) | N.D. | N.D. | N.D. | 28 | N.D. | 4 |
| Iron (Fe) | N.D. | N.D. | N.D. | 280 | N.D. | 40 |
| Magnesium (Mg) | N.D. | N.D. | N.D. | --- | N.D. | --- |
| Manganese (Mn) | N.D. | N.D. | N.D. | 12.6 | N.D. | 1.8 |
| Molybdenum (Mo) | N.D. | N.D. | N.D. | 0.84 | N.D. | 0.12 |
| Nickel (Ni) | N.D. | N.D. | N.D. | 0.98 | N.D. | 0.14 |
| Tin (Sn) | N.D. | N.D. | N.D. | 700 | N.D. | 100 |
| Titanium (Ti) | N.D. | N.D. | N.D. | --- | N.D. | --- |
| Vanadium (V) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.01 |
| Zinc (Zn) | N.D. | N.D. | N.D. | 35 | N.D. | 5 |
| Antimony (Sb) | N.D. | N.D. | N.D. | 0.28 | N.D. | 0.04 |
| Arsenic (As) | N.D. | N.D. | N.D. | 0.014 | N.D. | 0.002 |
| Barium (Ba) | N.D. | N.D. | N.D. | 8.4 | N.D. | 1.2 |
| Beryllium (Be) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.01 |
| Cadmium (Cd) | N.D. | N.D. | N.D. | 0.035 | N.D. | 0.005 |
| Lead (Pb) | N.D. | N.D. | N.D. | 0.07 | N.D. | 0.010 |
| Lithium (Li) | N.D. | N.D. | N.D. | 0.336 | N.D. | 0.048 |
| Mercury (Hg) | N.D. | N.D. | N.D. | 0.021 | N.D. | 0.003 |
| Thallium (Tl) | N.D. | N.D. | N.D. | 0.0007 | N.D. | 0.0001 |
| **Comment** | / | | **PASS** | / | **PASS** | |

Remark:

1. The following table is the RL of the Extractable Heavy Metals testing

| Extractable Elements | MDL(mg/kg) | Extractable Elements | MDL(mg/kg) | Extractable Elements | MDL(mg/kg) |
|---|---|---|---|---|---|
| Silver (Ag) | 0.01 | Molybdenum (Mo) | 0.01 | Barium (Ba) | 0.01 |
| Aluminium (Al) | 1.0 | Nickel (Ni) | 0.01 | Beryllium (Be) | 0.01 |
| Chromium | 0.01 | Tin (Sn) | 1.0 | Cadmium (Cd) | 0.001 |

| | | | | | |
|---|---|---|---|---|---|
| (Cr) | | | | | |
| Cobalt (Co) | 0.01 | Titanium (Ti) | 1.0 | Lead (Pb) | 0.001 |
| Copper (Cu) | 1.0 | Vanadium (V) | 0.01 | Lithium (Li) | 0.01 |
| Iron (Fe) | 1.0 | Zinc (Zn) | 1.0 | Mercury (Hg) | 0.001 |
| Magnesium (Mg) | 1.0 | Antimony (Sb) | 0.01 | Thallium (Tl) | 0.0001 |
| Manganese (Mn) | 1.0 | Arsenic (As) | 0.001 | --- | --- |

2. N.D.= Not detected

3. The submitted sample is a repeated use article. The migration test was carried out three timeson the same article. The sum of the results of the first and second tests should not exceed seven times thelimit (Result 1st test + Result 2nd test <7* limit) and the Result 3rd should not exceed the limit.

4. “---” = Not regulated

**2: Overall migration**

**Test Method:** With reference to EN 1186-3:2022, overall migration in evaporable simulants.
**Test Condition:** 3% acetic acid, 70℃, 2h; 10% ethanol, 70℃, 2h; 95% ethanol, 60℃, 2h; isooctane, 40℃, 0.5h;

| TEST ITEM | UNIT | MDL | LIMIT | The 1st Result 008 | The 2nd Result 008 | The 3rd Result 008 |
|---|---|---|---|---|---|---|
| 3% acetic acid | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| 10% ethanol | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| 95% ethanol | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| isooctane | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| **Comment*:** | | | | **PASS** | | |

| TEST ITEM | UNIT | MDL | LIMIT | The 1st Result 009 | The 2nd Result 009 | The 3rd Result 009 |
|---|---|---|---|---|---|---|
| 3% acetic acid | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| 10% ethanol | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| 95% ethanol | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| isooctane | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| **Comment*:** | | | | **PASS** | | |

| TEST ITEM | UNIT | MDL | LIMIT | The 1st Result 010 | The 2nd Result 010 | The 3rd Result 010 |
|---|---|---|---|---|---|---|
| 3% acetic acid | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| 10% ethanol | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| 95% ethanol | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| isooctane | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| **Comment*:** | | | | **PASS** | | |

**Test Condition:** 3% acetic acid, 70℃, 2h; 10% ethanol, 70℃, 2h; 95% ethanol, 60℃, 2h; isooctane, 40℃, 0.5h;

| TEST ITEM | UNIT | MDL | LIMIT | The 1st Result 011 | The 2nd Result 011 | The 3rd Result 011 |
|---|---|---|---|---|---|---|
| 3% acetic acid | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| 10% ethanol | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| 95% ethanol | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| isooctane | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| **Comment*:** | | | | **PASS** | | |

**Test Condition:** 3% acetic acid, 70℃, 2h; 10% ethanol, 70℃, 2h;

| TEST ITEM | UNIT | MDL | LIMIT | The 1st Result 012 | The 2nd Result 012 | The 3rd Result 012 |
|---|---|---|---|---|---|---|
| 3% acetic acid | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| 10% ethanol | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| **Comment*:** | | | | **PASS** | | |

| TEST ITEM | UNIT | MDL | LIMIT | The 1st Result 013 | The 2nd Result 013 | The 3rd Result 013 |
|---|---|---|---|---|---|---|
| 3% acetic acid | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| 10% ethanol | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| **Comment*:** | | | | **PASS** | | |

**Test Method:** With reference to EN 1186-2:2022, overall migration in vegetable oils.

**Test condition:** 70℃, 2h

| TEST ITEM | UNIT | MDL | LIMIT | The 1st Result 012 | The 2nd Result 012 | The 3rd Result 012 |
|---|---|---|---|---|---|---|
| rectified olive oil | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| **Comment*:** | | | | **PASS** | | |

| TEST ITEM | UNIT | MDL | LIMIT | The 1st Result 013 | The 2nd Result 013 | The 3rd Result 013 |
|---|---|---|---|---|---|---|
| rectified olive oil | mg/dm² | 3 | 10 | < 3 | < 3 | < 3 |
| **Comment*:** | | | | **PASS** | | |

1) MDL = Method Detection Limit.

**3: Specific migration of heavy metals**

**Test Method:** With reference to EN13130-1:2004, analysis was performed by ICP-OES.
**Test condition:** 3% acetic acid, 70℃, 2h

| TEST ITEM | UNIT | MDL | LIMIT | The 1st Result 008 | The 2nd Result 008 | The 3rd Result 008 |
|---|---|---|---|---|---|---|
| Aluminium (Al) | mg/kg | 0.5 | 1 | N.D. | N.D. | N.D. |
| Antimony (Sb) | mg/kg | 0.01 | 0.04 | N.D. | N.D. | N.D. |
| Arsenic (As) | mg/kg | 0.01 | N.D. | N.D. | N.D. | N.D. |
| Barium (Ba) | mg/kg | 0.1 | 1 | N.D. | N.D. | N.D. |
| Cadmium (Cd) | mg/kg | 0.002 | N.D. | N.D. | N.D. | N.D. |
| Chromium (Cr) | mg/kg | 0.01 | N.D. | N.D. | N.D. | N.D. |
| Cobalt (Co) | mg/kg | 0.03 | 0.05 | N.D. | N.D. | N.D. |
| Copper (Cu) | mg/kg | 0.5 | 5 | N.D. | N.D. | N.D. |
| Europium (Eu) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| Gadolinium (Gd) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| Iron (Fe) | mg/kg | 5 | 48 | N.D. | N.D. | N.D. |
| Lanthanum (La) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| Lead (Pb) | mg/kg | 0.01 | N.D. | N.D. | N.D. | N.D. |
| Lithium (Li) | mg/kg | 0.01 | 0.6 | N.D. | N.D. | N.D. |
| Manganese (Mn) | mg/kg | 0.1 | 0.6 | N.D. | N.D. | N.D. |

| | | | | | | |
|---|---|---|---|---|---|---|
| Mercury (Hg) | mg/kg | 0.01 | N.D. | N.D. | N.D. | N.D. |
| Nickel (Ni) | mg/kg | 0.01 | 0.02 | N.D. | N.D. | N.D. |
| Terbium (Tb) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| Zinc (Zn) | mg/kg | 1 | 5 | N.D. | N.D. | N.D. |
| Wolfram (W) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| **Comment*:** | | | | **PASS** | | |

| TEST ITEM | UNIT | MDL | LIMIT | The 1st Result 009 | The 2nd Result 009 | The 3rd Result 009 |
|---|---|---|---|---|---|---|
| Aluminium (Al) | mg/kg | 0.5 | 1 | N.D. | N.D. | N.D. |
| Antimony (Sb) | mg/kg | 0.01 | 0.04 | N.D. | N.D. | N.D. |
| Arsenic (As) | mg/kg | 0.01 | N.D. | N.D. | N.D. | N.D. |
| Barium (Ba) | mg/kg | 0.1 | 1 | N.D. | N.D. | N.D. |
| Cadmium (Cd) | mg/kg | 0.002 | N.D. | N.D. | N.D. | N.D. |
| Chromium (Cr) | mg/kg | 0.01 | N.D. | N.D. | N.D. | N.D. |
| Cobalt (Co) | mg/kg | 0.03 | 0.05 | N.D. | N.D. | N.D. |
| Copper (Cu) | mg/kg | 0.5 | 5 | N.D. | N.D. | N.D. |
| Europium (Eu) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| Gadolinium (Gd) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| Iron (Fe) | mg/kg | 5 | 48 | N.D. | N.D. | N.D. |
| Lanthanum (La) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| Lead (Pb) | mg/kg | 0.01 | N.D. | N.D. | N.D. | N.D. |
| Lithium (Li) | mg/kg | 0.01 | 0.6 | N.D. | N.D. | N.D. |
| Manganese (Mn) | mg/kg | 0.1 | 0.6 | N.D. | N.D. | N.D. |
| Mercury (Hg) | mg/kg | 0.01 | N.D. | N.D. | N.D. | N.D. |
| Nickel (Ni) | mg/kg | 0.01 | 0.02 | N.D. | N.D. | N.D. |

| | | | | | | |
|---|---|---|---|---|---|---|
| Terbium (Tb) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| Zinc (Zn) | mg/kg | 1 | 5 | N.D. | N.D. | N.D. |
| Wolfram (W) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| **Comment*:** | | | | **PASS** | | |

| TEST ITEM | UNIT | MDL | LIMIT | The 1st Result 010 | The 2nd Result 010 | The 3rd Result 010 |
|---|---|---|---|---|---|---|
| Aluminium (Al) | mg/kg | 0.5 | 1 | N.D. | N.D. | N.D. |
| Antimony (Sb) | mg/kg | 0.01 | 0.04 | N.D. | N.D. | N.D. |
| Arsenic (As) | mg/kg | 0.01 | N.D. | N.D. | N.D. | N.D. |
| Barium (Ba) | mg/kg | 0.1 | 1 | N.D. | N.D. | N.D. |
| Cadmium (Cd) | mg/kg | 0.002 | N.D. | N.D. | N.D. | N.D. |
| Chromium (Cr) | mg/kg | 0.01 | N.D. | N.D. | N.D. | N.D. |
| Cobalt (Co) | mg/kg | 0.03 | 0.05 | N.D. | N.D. | N.D. |
| Copper (Cu) | mg/kg | 0.5 | 5 | N.D. | N.D. | N.D. |
| Europium (Eu) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| Gadolinium (Gd) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| Iron (Fe) | mg/kg | 5 | 48 | N.D. | N.D. | N.D. |
| Lanthanum (La) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| Lead (Pb) | mg/kg | 0.01 | N.D. | N.D. | N.D. | N.D. |
| Lithium (Li) | mg/kg | 0.01 | 0.6 | N.D. | N.D. | N.D. |
| Manganese (Mn) | mg/kg | 0.1 | 0.6 | N.D. | N.D. | N.D. |
| Mercury (Hg) | mg/kg | 0.01 | N.D. | N.D. | N.D. | N.D. |
| Nickel (Ni) | mg/kg | 0.01 | 0.02 | N.D. | N.D. | N.D. |

| | | | | | | |
|---|---|---|---|---|---|---|
| Terbium (Tb) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| Zinc (Zn) | mg/kg | 1 | 5 | N.D. | N.D. | N.D. |
| Wolfram (W) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| **Comment*:** | | | | **PASS** | | |

| TEST ITEM | UNIT | MDL | LIMIT | The 1st Result 011 | The 2nd Result 011 | The 3rd Result 011 |
|---|---|---|---|---|---|---|
| Aluminium (Al) | mg/kg | 0.5 | 1 | N.D. | N.D. | N.D. |
| Antimony (Sb) | mg/kg | 0.01 | 0.04 | N.D. | N.D. | N.D. |
| Arsenic (As) | mg/kg | 0.01 | N.D. | N.D. | N.D. | N.D. |
| Barium (Ba) | mg/kg | 0.1 | 1 | N.D. | N.D. | N.D. |
| Cadmium (Cd) | mg/kg | 0.002 | N.D. | N.D. | N.D. | N.D. |
| Chromium (Cr) | mg/kg | 0.01 | N.D. | N.D. | N.D. | N.D. |
| Cobalt (Co) | mg/kg | 0.03 | 0.05 | N.D. | N.D. | N.D. |
| Copper (Cu) | mg/kg | 0.5 | 5 | N.D. | N.D. | N.D. |
| Europium (Eu) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| Gadolinium (Gd) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| Iron (Fe) | mg/kg | 5 | 48 | N.D. | N.D. | N.D. |
| Lanthanum (La) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| Lead (Pb) | mg/kg | 0.01 | N.D. | N.D. | N.D. | N.D. |
| Lithium (Li) | mg/kg | 0.01 | 0.6 | N.D. | N.D. | N.D. |
| Manganese (Mn) | mg/kg | 0.1 | 0.6 | N.D. | N.D. | N.D. |
| Mercury (Hg) | mg/kg | 0.01 | N.D. | N.D. | N.D. | N.D. |
| Nickel (Ni) | mg/kg | 0.01 | 0.02 | N.D. | N.D. | N.D. |

| | | | | | | |
|---|---|---|---|---|---|---|
| Terbium (Tb) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| Zinc (Zn) | mg/kg | 1 | 5 | N.D. | N.D. | N.D. |
| Wolfram (W) | mg/kg | 0.01 | 0.05 | N.D. | N.D. | N.D. |
| **Comment*:** | | | | **PASS** | | |

1) MDL = Method Detection Limit.
2) N.D. = Not detected, less than MDL.

**4: Specific migration of primary aromatic amine**

**Test Method:** Sample preparation with reference to EN 13130-1: 2004 with selection of simulant and condition, followed by analysis by LC/MS/MS & UV.

**Test Condition:** 3% acetic acid, 70℃, 2h

| TEST ITEM | UNIT | Maximum Permissible Limit | The 1st Result 008 | The 2nd Result 008 | The 3rd Result 008 |
|---|---|---|---|---|---|
| 4-aminobiphenyl | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| benzidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-chloro-o-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 2-naphthylamine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| o-aminoazotoluene | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 5-nitro-o-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-chloroaniline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-methoxy-m-phenylenediamine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-methylenedianiline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 3,3'-dichlorobenzidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 3,3'-dimethoxybenzidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 3,3'-dimethylbenzidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-methylenedi-o-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 6-methoxy-m-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-methylene-bis-(2-chloro-aniline) | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-oxydianiline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-thiodianiline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| o-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-methyl-m-phenylenediamine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 2,4,5-trimethylaniline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| o-anisidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-amino azobenzene | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 1,3-phenylenediamine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| Other Primary Aromatic Amine | mg/kg | Sum≤0.01 | <0.01 | <0.01 | <0.01 |
| **Comment*:** | | | **PASS** | | |

| TEST ITEM | UNIT | Maximum Permissible Limit | The 1st Result 009 | The 2nd Result 009 | The 3rd Result 009 |
|---|---|---|---|---|---|
| 4-aminobiphenyl | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| benzidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-chloro-o-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 2-naphthylamine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| o-aminoazotoluene | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 5-nitro-o-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-chloroaniline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-methoxy-m-phenylenediamine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-methylenedianiline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 3,3'-dichlorobenzidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 3,3'-dimethoxybenzidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 3,3'-dimethylbenzidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-methylenedi-o-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 6-methoxy-m-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-methylene-bis-(2-chloro-aniline) | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-oxydianiline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-thiodianiline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| o-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-methyl-m-phenylenediamine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 2,4,5-trimethylaniline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| o-anisidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-amino azobenzene | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 1,3-phenylenediamine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| Other Primary Aromatic Amine | mg/kg | Sum≤0.01 | <0.01 | <0.01 | <0.01 |
| **Comment*:** | | | **PASS** | | |

| TEST ITEM | UNIT | Maximum Permissible Limit | The 1st Result 010 | The 2nd Result 010 | The 3rd Result 010 |
|---|---|---|---|---|---|
| 4-aminobiphenyl | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| benzidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-chloro-o-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 2-naphthylamine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| o-aminoazotoluene | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 5-nitro-o-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-chloroaniline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-methoxy-m-phenylenediamine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-methylenedianiline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 3,3'-dichlorobenzidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 3,3'-dimethoxybenzidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 3,3'-dimethylbenzidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-methylenedi-o-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 6-methoxy-m-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-methylene-bis-(2-chloro-aniline) | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-oxydianiline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-thiodianiline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| o-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-methyl-m-phenylenediamine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 2,4,5-trimethylaniline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| o-anisidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-amino azobenzene | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 1,3-phenylenediamine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| Other Primary Aromatic Amine | mg/kg | Sum≤0.01 | <0.01 | <0.01 | <0.01 |
| **Comment*:** | | | **PASS** | | |

| TEST ITEM | UNIT | Maximum Permissible Limit | The 1st Result 011 | The 2nd Result 011 | The 3rd Result 011 |
|---|---|---|---|---|---|
| 4-aminobiphenyl | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| benzidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-chloro-o-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 2-naphthylamine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| o-aminoazotoluene | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 5-nitro-o-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-chloroaniline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-methoxy-m-phenylenediamine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-methylenedianiline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 3,3'-dichlorobenzidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 3,3'-dimethoxybenzidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 3,3'-dimethylbenzidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-methylenedi-o-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 6-methoxy-m-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-methylene-bis-(2-chloro-aniline) | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-oxydianiline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4,4'-thiodianiline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| o-toluidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-methyl-m-phenylenediamine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 2,4,5-trimethylaniline | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| o-anisidine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 4-amino azobenzene | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| 1,3-phenylenediamine | mg/kg | 0.002 | <0.002 | <0.002 | <0.002 |
| Other Primary Aromatic Amine | mg/kg | Sum≤0.01 | <0.01 | <0.01 | <0.01 |
| **Comment*:** | | | **PASS** | | |

**5: Specific migration of acrylonitrile**

**Test Method:** With reference to EN 13130-3:2004,Materials and articles in contact with foodstuffs. Plastics substances subject to limitation. Determination of acrylonitrile in food and food simulants,analysis was performed by GC-MS.

**Test Condition:** 3% acetic acid, 70℃, 2h

| TEST ITEM | UNIT | MDL | LIMIT | The 1st Result 008 | The 2nd Result 008 | The 3rd Result 008 |
|---|---|---|---|---|---|---|
| Migration of Acrylonitrile | mg/kg | 0.01 | 0.01 | N.D. | N.D. | N.D. |
| **Comment*:** | | | | **PASS** | | |

1) MDL = Method Detection Limit.

2) N.D. = Not detected, less than MDL.

**6: Specific migration of Extractable formaldehyde**

**Test Method:** With reference to EN 13130-1:2004, followed by analysis by UV-vis.

**Test condition:** 3%acetic acid, 70℃, 2h

| TEST ITEM | UNIT | MDL | LIMIT | The 1st Result 010 | The 2nd Result 010 | The 3rd Result 010 |
|---|---|---|---|---|---|---|
| migration of Formaldehyde | mg/kg | 3 | 15 | N.D. | N.D. | N.D. |
| **Comment*:** | | | | **PASS** | | |

1) MDL = Method Detection Limit.

2) N.D. = Not detected, less than MDL.

**7: Sensory test**

**Test Method:** Sensory test with reference to DIN 10955:2024.

**Test procedure:**

1. Clean the appliance as stated in the DFU under chapter “before first use”.
2. Fill the appliance with the food simulant (drinking water) to the max indication and start the appliance.
3. The extract is collected after the cycle has finished.
4. The extract will be used for sensory test.

| TEST ITEM | Maximum Permissible Limit | TEST RESULT 014 |
|---|---|---|
| Sensorial examination odour (Point scale) | 2.5 | 0 |
| Sensorial examination taste (Point scale) | 2.5 | 0 |
| **Comment:** | | **PASS** |

Scale evaluation:

0: No perceptible odour and taste
1: Odour and taste just perceptible (still difficult to define)
2: Moderate odour and taste
3: Moderately strong odour and taste
4: Strong odour and taste

**8: Specific Migration of Hexamethylenediamine**

**Test method:** Sample preparation with reference to EN 13130-1: 2004 with selection of simulant and condition, followed by analysis by GC-FID.

**Test Condition:** 3% acetic acid, 70℃, 2h

| Test Items | Unit | Maximum Permissible Limit | The 1st Result 009☆ | The 2nd Result 009☆ | The 3rd Result 009☆ |
|---|---|---|---|---|---|
| Specific migration of Hexamethylenediamine | mg/kg | 2.4 | <1.0 | <1.0 | <1.0 |
| **Comment*:** | | | **PASS** | | |

| Test Items | Unit | Maximum Permissible Limit | The 1st Result 011☆ | The 2nd Result 011☆ | The 3rd Result 011☆ |
|---|---|---|---|---|---|
| Specific migration of Hexamethylenediamine | mg/kg | 2.4 | <1.0 | <1.0 | <1.0 |
| **Comment*:** | | | **PASS** | | |

1) MDL = Method Detection Limit.

2) ☆ Test result was carried out in lab accredited by DEKRA.

| Test item | Description | |
|---|---|---|
| 001 | silvery metal |  |
| 002 | silvery metal |  |
| 003 | silvery metal |  |
| 004 | silvery metal |  |
| 005 | silvery metal |  |
| 006 | silvery metal |  |
| 007 | silvery metal |  |

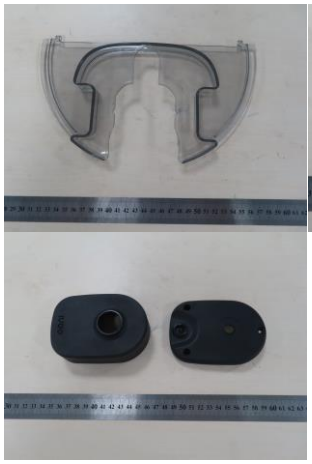
| | | |
|---|---|---|
| 008 | transparent plastic |  |
| 009 | black plastic |  |
| 010 | black plastic |  |
| 011 | black plastic |  |
| 012 | black silicone |  |
| 013 | black silicone |  |
| 014 | Dough Make |  |

---------- End of Report ----------

# Annex

Reference model: UU-P31400, UU-P31500, UU-P31600

Reference photo:




The samples shown in the annex have not been tested or have not been fully tested in the current test report. The photos are included as per applicant’s request for reference purpose only.