<table>
<thead>
<tr>
<th>Name</th>
<th>Metal bottles (also with interior coating)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Family</td>
<td>Material for transport of foods. For use in hot and cold contact.</td>
</tr>
</tbody>
</table>

**Sample images**

- ![Sample image of metal bottles](image1.jpg)
- ![Sample image of metal bottles](image2.jpg)

**Definition**
Vessel/container for storage and transport of hot and cold beverages

**Typical materials**
- Bottle: metal (e.g. aluminium), interior coating
- Seal: silicon, plastic (PVC)
- Mouthpiece, screw connection, cover: plastic (PP, PA)

**Possible odours**
- Mineral oil, solvent, metallic, plastic-like

**Sample preparation**
If there are no pre-use treatment instructions from the manufacturer, articles for multiple use should be cleaned with warm water (40°C) containing an odourless household liquid detergent.

**Preliminary test**
Evaluation of odour (according to DIN 10955)

**Sensory testing conditions**
- Testing with water for bottles without hotfill
  - Bottle with mouthpiece, cover and seal:
    - o fill bottle completely with water at 40°C
    - o store horizontally for 24 h at 40 °C
  - alternative:
    - Testing with water for bottles with hotfill
      - Bottle with mouthpiece, cover and seal:
        - o fill bottle completely with water at 70°C
        - o store horizontally for 2 h at 70 °C,
        - o alternative:
          - fill bottle with boiling water, let cool at least for 2h
            (especially bottles with insulating sleeve)

Sensory testing of the water (smelling and tasting)

**Miscellaneous**
Conditions of contact (filling conditions, time and temperature of contact) shall be indicated in the test report.