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## Migration test of plates covered with paint

The test is performed in accordance to BGVV: Kunststoffe im Lebensmittelverkehr. Empfehlungen des Bundesinstitutes für gesundheitlichen Verbraucherschutz und Veterinärmedizin. Teil E. Gesundheitslichen Beurteilung von Kunststoffen und anderen nicht-metallischen Verkehrstoffen im Rahmen des Lebensmittel und Bedarfgegenstände Gesetzes für den Trinkwasser Bereich.

The sample – Humidur ME coating - was painted on a glass plate, pretreatment and hardening was performed by the client. The area of the plate was 200 cm<sup>2</sup>, and this plate was therefore placed in 800 ml potable water, because the relation between the area in cm<sup>2</sup> and the volume of the water in ml, shall be 1:4. After three days the water was changed with new potable water. After three new days this process was repeated, and after three more days (totally three times three = nine days from the start) a sample was taken for the determination of total organic carbon, and tested for taste and odour. Potable water stored in three days similar to the test water, was analysed to find the background concentration of total organic carbon (TOC).

The requirement is that the increase in organic compounds measured as total organic carbon shall not be greater than 10 mg/m<sup>2</sup>.day. In this case there was found an increase of 1,3 mg/m<sup>2</sup>.day in the concentration of TOC.

The water was tested for taste and odour, both reported to be normal.

Yours sincerely

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