



Accredited by the Estonian Accreditation Centre. Registration number L042

MATERIALS AND ARTICLES IN CONTACT WITH FOODSTUFFS

Test report nr KL2017/PM1154M-1



Order placed by: Krah Pipes OÜ Gaasi tee 11, Lehmja küla, Harjumaa, 75306, Estonia
Sampled by: Toomas Uustalu
Manufacturer/ Importer: Krah Pipes OÜ/
Article: Plastic pipe, plastic tanks
Tested material: Polyethylene (PE)
Lot №: specific specimen
Specification document: ColibryPlastYellow11-11934-1 + BorSafeBorealisHE3493-LS-H
In contact with: Some foodstuffs: drinking water
Contact conditions: pH over 4,5; contact temperature up to 40°C, duration up to ten days, repeated use
Date of sampling: 10.03.2017 Analysis started: 14.03.2017
Date of arrival to laboratory: 14.03.2017 Analysis ended: 17.04.2017
Date of issue: 19.04.2017

Report signed by: leading specialist K.Kislitsõn



The test results relate only to the items tested. The test report shall not be reproduced except in full, without written approval of the laboratory.

*** The test method is not accredited.**

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Parameter	Unit	Test result	Limit	Test method
Overall migration:				
Food simulant - distilled water	mg/dm ²	0.7	10	EVS-EN 1186-3:2002

Selection of the test conditions, preparation of test specimens and requirements are in accordance with the Regulation (EU) No 10/2011, standard EVS-EN 1186-1:2002 and with client request.

Analysis was conducted by total immersion of sample into food simulant with following contact conditions: distilled water: 3 x 10 days at 40°C.

Five specially made specimens with dimensions 100x100 mm and total surface area 5 dm² were used for analysis. Simulant volume is 1000 ml. Simulant volume used for migration test is 3 times 100 ml. Test results meet the requirements of following usage conditions: any long term storage at room temperature or below, including heating up to 70°C for up to 2 hours, or heating up to 100°C for up to 15 minutes.

Test report No KL2017/PM1154M-1, issued on 19.04.2017 will void the test report No KL2017/PM1154M issued on 17.04.2017.

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The number of assessors who selected the sample	The number of assessors who selected the reference sample	Test result
13	9	It can be concluded that no meaningful difference exists between the sample and the reference sample at the 95% confidence interval.

Preparation of samples: The sample - distilled water, which was in contact with tested material.
The reference sample - distilled water, which was not in contact with tested material.
Contact conditions: distilled water: 3 times 72 hours at 23°C. The number of assessors was 23.

Comments: Test method* is based on standards ISO 13302:2003 and ISO 5495:2008.
Test objective: assessors designate which of two samples (the sample or the reference sample) they consider to have an odor. To verify that meaningful difference exists between the sample and the reference sample, the minimum number of assessors who selected the sample must be 16 out of 23 at the 95% confidence interval.

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