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Migration Report

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1 Sample Information

Sample name	Rødgods pex fittings
Dimensions	-
Article no.	045170119 + 50042
Sample reception	24/06/2021
Number of items tested	1
Analysis period	09/07/2021 - 28/07/2021

2 Brief Evaluation of the Results

Regulation or protocol	Conclusion	Test Method
Executive Act no. 1007 of 29/06/2016	Pass	NKB-4

Full details based on the testing and direct comparison with limit values are available in the following pages



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3 Applied Test Methods

3.1 General Test References

Method	Parameter	Principle	Limit of detection	Uncertainty Um [¶]
NKB 4	Elution of metals	Exposure to water 10 times 24 hours	-	-
ISO 17294 ICP/MS ¹	Metals	The sample is acidified and analysed by ICP/MS	0.003-0.3 µg/L	20%

¶ The expanded uncertainty Um is equal to 2 x RSD%, see also www.eurofins.dk. Keyword: Uncertainty

1 Analysed by Eurofins Miljø A/S accredited by DANAK under Reg. no. 168

3.2 Test Conditions

Artificial drinking water is used for the elution test to monitor migration of metals. The sample is rinsed by methanol, flushed with tap water for 1 hour followed by exposure to artificial drinking water for 10 periods of 24 hours with a fresh portion of water for periods 1, 2, 3, 4, 7, 8, 9 and 10. Exposure period no. 9 and 10 are analysed for metals.

Test volume 0.018 L

3.3 Picture of Sample



4 Results

4.1 Summary and Evaluation of the Results

Results are given as an average of 9th and 10th migration. Average results for the sample in 9th and 10th migration are presented in table 4.2.

Parameter	Concentration μg^a	Limit Value μg
Lead	2.1	5
Cadmium	0.0042	2

< Means less than

a The results are calculated as the average concentration of the 9th and 10th migration based on the sample volume.

4.2 Result - 9th and 10th migration

Migration of lead and cadmium in 9th and 10th migration.

	9th migration $\mu\text{g/L}$	10th migration $\mu\text{g/L}$	Limit Value $\mu\text{g/L}$
Concentration			
Lead	110	120	-
Cadmium	0.24	0.22	-
Metal Elution	μg	μg	μg
Lead	2.0	2.2	5
Cadmium	0.0043	0.0040	2

< Means less than

5 Appendices

5.1 Decision Rules

Eurofins Product Testing A/S, declare statement of conformity based on the “Binary Statement for Simple Acceptance Rule” described in ILAC’s “Guidelines on decision Rules and Statements of Conformity” ILAC-G8:09/2019.

This means that results above the detection limit are always reported with two significant digits. Results are evaluated with the same number of significant digits as the corresponding limit values, and conformity is based on results being less than or equal to limit values.

For further information please visit www.eurofins.dk/product-testing/om-os/beslutningsregler/

5.2 Version History

Report date	Report number	Modification
06/10/2021	392-2021-00321801_XB_EN_rev2	Article no. corrected. This is the current version.
06/10/2021	392-2021-00321801_XB_EN_rev1	Article no. corrected. This version is no longer valid.
04/08/2021	392-2021-00321801_XB_EN	This version is no longer valid.