



TEST REPORT No. 1015

Page 1 out of 2

The 8th of July, 2016

Customer OOO „Kalmatron-SPb“, ul.Drovianaja 9, lit.3, Sankt-Peterburg, Rusija
(company name and address)

Producer _____
(if varies from the customer, name and address of the producing company)

Product admixture for concrete "Kalmatron D"
(ND mark)

Date of product delivery 13 06 2016

Date of testing 20-23 06 2016

Testing place JSC "Alzida", Savanorių Ave. 221, LT-02300 Vilnius, Lithuania
(laboratory name)

Sampling was carried out by customer (18 02 2016 batch No. 6 and 07 04 2016 batch No. 8)
(act number, date)

The tests were carried out according to LST EN 480-10:2009 4.2.2 ch;
(testing ND or method description)

LST EN 480-12:2006; LST EN 12350-7:2009 5 ch.

Deviations from the testing method _____
(if any were)

TESTING RESULTS are delivered in the test report's page 2.

Test results are valid only for above-mentioned objects. Test report can be duplicated or reprinted only fully. Part of the test report can be duplicated or distributed with permission of the laboratory.

Other information - _____

Supplements: - _____



ADMIXTURE FOR CONCRETE "KALMATRON D" (batch No. 6)

Content of water-soluble chloride (LST EN 480-10:2009 4.2.2 ch.)

Sample No.	Content of water-soluble chloride, %	Mean value, %
1	0,095	0,10
2	0,096	

Alkali content (LST EN 480-12:2006)

Non-standard dilution was applied. R₂O quantity was calculated taking into account the quantity and the purity of chemical component in the product.

The whole K⁺ quantity, that was measured, was calculated by Na₂O equivalent.

Na₂O content	Sample No. 1	0,10 %	Vid.	Na₂O equivalent content by converting the K₂O content to the equivalent Na₂O content 0,47 %
	Sample No. 2	0,11 %	0,11 %	
K₂O content	Sample No. 1	0,54 %	Vid.	
	Sample No. 2	0,54 %	0,54 %	

The test was carried out by chemist Toma Sukurytė

ADMIXTURE FOR CONCRETE "KALMATRON D" (batch No. 8)

Content of water-soluble chloride (LST EN 480-10:2009 4.2.2 ch.)

Sample No.	Content of water-soluble chloride, %	Mean value, %
1	0,092	0,09
2	0,090	

Alkali content (LST EN 480-12:2006)

Non-standard dilution was applied. R₂O quantity was calculated taking into account the quantity and the purity of chemical component in the product.

The whole K⁺ quantity, that was measured, was calculated by Na₂O equivalent.

Na₂O content	Sample No. 1	0,12 %	Vid.	Na₂O equivalent content by converting the K₂O content to the equivalent Na₂O content 0,48 %
	Sample No. 2	0,12 %	0,12 %	
K₂O content	Sample No. 1	0,55 %	Vid.	
	Sample No. 2	0,54 %	0,55 %	

The test was carried out by chemist Toma Sukurytė

Air content in fresh concrete (LST EN 12350-7:2009 5 ch.)

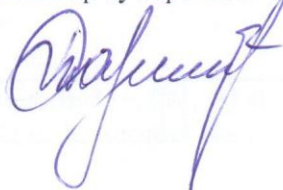
Admixture's content in the test mix is 2,4 % from cement's content.

Air content in fresh concrete (sample tested), %	Air content in fresh concrete (control sample), %
2,2	1,7

The test was carried out by engineer Vidas Čaika

The test report was drawn up by supervisor of testing Natalija Rumianceva

Deputy director
Liudmila Daukšienė



Supervisor of testing
Natalija Rumianceva