

FINAL REPORT
No. ZP/80/2014/CO

Assessment of the product:

AZURO ZIMA

Applicant: Mountfield a.s.
Sales Department
Mirošovická 697
251 64 Mnichovice

Manufacturer: Mountfield a.s.
Sales Department
Mirošovická 697
251 64 Mnichovice

Report issue date: 17 September 2014

Number of annexes: 0

Report prepared by: Ing. Kateřina Karanská



Conditions for use of this Report:

This Report applies to the product specified above solely. The Report may be used only unless the manufacturing procedure has changed.

This Report or parts thereof shall be published only with the consent of the Head of the Certification Body.

This Final Report is based on Test Certificate No. /52/2014/CO of 31 June 2014. This is only a change of the name of the product Aquamar Zazimovač, which is supported by safety data sheets.

The assessment is based on testing and inspection of samples of the product:

AZURO ZIMA

Product description:

Properties: This product is one in the Azuro pool chemistry product range. Azuro Zima ("Winterizer") serves to prepare water in outdoor pools for winter. It prevents deposition of hard calcium (lime) scale and facilitates pool cleaning in the spring.

Appearance and composition: Slightly viscous liquid containing poly[(chlormethyl)oxiran-co-dimethylamin] < 100 g/l.

Dosage: Recommended dose: 1 litre per 10 m³ of water.

I. Sample:

Aquamar Zazimovač, internal sample number: 306/14, 52/2014/CO.

II. Relevant documents for preparation of this Final Report:

1. Technical standards and regulations and other technical documents applicable to the product(s):

Regulation No. 304/2002	of the Czech Ministry of Health, establishing detailed specification of the principles and the procedure for the assessment of biocidal products and active substances
Regulation No. 352/2013	of the Czech Ministry of Health on health requirements for products coming into direct contact with water and products intended for water treatment
Test T20, Test Procedure ZP 63 ČSN EN ISO 8692	Algal growth inhibition test

2. Documents submitted:

Aquamar Zazimovač product label
Safety Data Sheet – Aquamar Zazimovač
Azuro Zima product label
Safety Data Sheet – Azuro Zima

3. Test reports:

Test Report No. 339-14-62 of 30 July 2014, Algal growth inhibition test, efficacy assessment, sample No. 306/14, 52/2014/CO, issued by VUOS a.s.

4. Test site:

Výzkumný ústav organických syntéz a.s. [Research Institute of Organic Syntheses], 533 54 Rybitví 296, Analytical Testing Laboratory No. 1057

5. Test methods:

Test T20, Test Procedure ZP 63

III. Test results and evaluation

Algicidal efficacy of the product:

Experimental conditions:

Test method: T 20 - Algal growth inhibition test
Test temperature: 23.0-24.0°C
Test pH: 7.7 – 7.9
Illumination: 8300 - 8400 lux
Microorganisms: *Desmodesmus subspicatus* Brinkmann 1953/SAG 86.84

Application concentration: 1 l/15 m³

Effect of Aquamar Zazimovač on *Desmodesmus subspicatus* algal inoculum

Nominal concentration	pH 0 h	pH 96 h	Algal culture density – cell count per ml in:			
			24 h	48 h	72 h	96 h
0,066 ml / 1000 ml	7,7	7,8	8333	2083	4167	4167
Control	7,7	7,9	64583	139583	327083	1335417

Algal growth inhibition test evaluation

Algal growth inhibition (%) was calculated by determining the growth rate I_{μ} .

Nominal concentration	Growth rate μ				Growth rate inhibition I_{μ}			
	24 h μ	48 h μ	72 h μ	96 h μ	24 h %	48 h %	72 h %	96 h %
0,066 ml / 1000 ml	-0,18	-0,78	-0,29	-0,22	100	100	100	100
Control	1,87	1,32	1,16	1,22	0	0	0	0

IV. Conclusion:

The product: **AZURO ZIMA**

manufactured by: Mountfield a.s.
Sales Department
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251 64 Mnichovice

and submitted for assessment by: Mountfield a.s.
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exhibits algicidal efficacy, assessed pursuant to Regulation No. 304/2002 and Regulation No. 352/2013 of the Czech Ministry of Health and to ČSN EN ISO 8692, establishing detailed specification of the principles and the procedure for the assessment of biocidal products and active substances and health requirements, which conforms to the efficacy declared by the Applicant.

This Report is intended as a basis for issue of a Certificate confirming that the established technical requirements have been met.

The term of validity and the validity conditions will be specified in the Certificate.

