

Test Report

Sample Name: Malic acid scale inhibitor filter element

Applicant: Evodrop AG

Testing Purpose: Entrust Testing

Test Report

Report No.: A2210387844101003

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Client name:	Evodrop AG
Client address:	Hardgutstrasse 16, Zurich 8048 Switzerland
Sample name:	Malic acid scale inhibitor filter element
Sample Batch No:	/
Product Date:	2021/8/6
Specifications:	20"-BB
Brand:	EVODROP
Sample Quantity:	2 pieces

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CTI Sample No.:	CN25889003
Sample Received Date:	2021/09/16
Testing Period:	2021/09/16~2021/10/27

TEST(S) REQUESTED:

According to customer requirements, The test units will be tested using the influent challenge water. Take influent water and effluent water of 5 L per ton (Total 6 sampling point include initial,1T,2T,3T,4T,5T,6T). Put 5L of water sample into water heating device, heat and keep constant temperature 55℃ for 2 hour at each sampling point. Collect all of scale include sieved residue from each heated water sample and scale from internal reservoir walls which will be dissolved using diluted nitric acid. Analyze and determine calcium content for the accumulated solution residue and the residues of the heating device.

TEST METHOD(S):

Calcium: Standard examination methods for drinking water -Metal parameters

TEST Result(S):

Please refer to the following page(s)

Date: 2021/10/27

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TEST Result(S):

Table 1 Calcium ²⁺ content of scale substance upon heating

Test Items	Test result (mg)		*Scale inhibition efficacy (%)
	Influent challenge water ρ ₁	Effluent water ρ ₂	
Ca ²⁺	381.9	22.02	94.2

Remark: 1. *Scale inhibition efficacy = $\frac{\rho_1 - \rho_2}{\rho_1} \times 100\%$

2. Sampling effluent water after standing 1H each ton
3. Flow rate about 20LPM

*** End of report ***

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