

# 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  
Manufacturer: Samson Purification Technologies Co., Ltd  
Manufacturer address: 7F-1, No.180, Dihua ST., Pingtung City, Pingtung County 90064, Taiwan  
Sample Quantity: 2 pieces

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Above information and sample(s) was/were submitted and certified by the client, CTI quoted the information with no responsibility as to the accuracy, adequacy and/or completeness.

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°C 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.

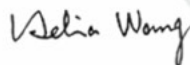
## TEST METHOD(S):

Calcium: Standard examination methods for drinking water -Metal parameters

## TEST Result(S):

Please refer to the following page(s)

Approved by:



Date:

2021/10/27

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## TEST Result(S):

Table 1 Calcium<sup>2+</sup> content of scale substance upon heating

Test Items	Test result (mg)		*Scale inhibition efficacy (%)
	Influent challenge water $\rho_1$	Effluent water $\rho_2$	
Ca <sup>2+</sup>	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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