

Test Report

Sample Name: Amino acid scale inhibitor filter element

Applicant: Evodrop AG

Testing Purpose: Entrust Testing

Centre Testing International Pinbiao(Shanghai) Co., Ltd.

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检验检测专用章



Test Report

Report No.: A2210387844101003R1

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

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: Welia WangDate: 2021/11/08

Technical director

Centre Testing International Pinbiao(Shanghai) Co., Ltd. No. 1351, Wanfang Road, Minhang, District, Shanghai, China

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TEST Result(S):

Table 1 Calcium²⁺ 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 = $\frac{\rho_1 - \rho_2}{\rho_1} * 100\%$

2. Sampling effluent water after standing 1H each ton
3. Flow rate about 20LPM
4. This report revises the original report (Report No. A2210387844101003) and replaces the original report. The original report is voided from the date of issuance of this report.

*** End of report ***

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