





Report No.: A2210387844101003





Test Report











Sample Name:

Malic acid scale inhibitor filter element



Applicant:

Evodrop AG



Testing Purpose:

Entrust Testing



























































Repot No.: A2210387844101003 Page1 of 2

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

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: $2021/09/16 \sim 2021/10/27$

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 resevoir walls which will be dissolved using diluted nitric acid. Analyze and determie 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





Repot No.: A2210387844101003 Page 2 of 2

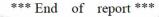
TEST Result(S):

Table 1 Calcium 2+ content of scale substance upon heating

| Test Items | Test result (mg) | | *Scale inhibition |
|------------|-----------------------------------|-------------------------------|-------------------|
| | Influent challenge water ρ_1 | Effluent water ρ ₂ | efficacy (%) |
| 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



Attention:

- 1. This report is considered invalidated in one or more of the following conditions: no approval signature; no testing seal of CTI; no cross-page seal; altered; a copy without the red testing seal of CTI.
- 2. Without written approval of CTI, this report shall not be reproduced partly.
- 3. The sample Information is provided by the customer, and the results shown in this test report refer only to the sample(s) tested.
- 4.Unauthorized use of the test results for improper publicity is impermissible.
- 5. Objection to the test results should be raised within 7 working days from the date of receiving the report, otherwise it will not be accepted.
- 6.All/part of the test items in this report are not in the scope of qualification confirmation accreditation, and should be only used for scientific research, teaching, internal quality control and product development of enterprise.
- 7. Scan the QR code on the first page of the report to verify the authenticity of the report. For any questi on, please contact the following email: fdd.checkreport@cti-cert.com.

