



**SCIENTIFIC RESEARCH CENTER  
OF MEDICAL BIOPHYSICS  
SOFIA, BULGARIA**

## **TEST REPORT**

No. 585/ 20.03.2023

**OBJECT OF THE STUDY - PORE SIZE OF EVOFILTER**

COMPANY: EVODROP AG

TYPE OF RESEARCH:

1. Physicochemical research
2. Density Functional Theory (DFT)

<b>Tap water before EVOfilter</b>	<b>Tap water after EVOfilter</b>
(HCO <sub>3</sub> <sup>-</sup> ) is 47.6±4.8 mg.L <sup>-1</sup>	HCO <sub>3</sub> <sup>-</sup> is < 24.4 mg.L <sup>-1</sup>
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*<24.4 mg.L<sup>-1</sup> is the limit of laboratory device*

Density Functional Theory (DFT)

The minimum size of hydrogen carbonate ion (HCO<sub>3</sub><sup>-</sup>) is 0.55 nm. DFT mathematical method proves that the pore size of **EVOfilter membrane is 0.5 nm.**

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