

|                                                                                                                                                                                                                   | DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE FERREIRA DO ALENTEJO |                        |                 |        |                            |                     | EDITAL 3.º TRIMESTRE |            |                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------|-----------------|--------|----------------------------|---------------------|----------------------|------------|-----------------------|
|                                                                                                                                                                                                                                                                                                  | ZONA DE ABASTECIMENTO: Santa Margarida do Sado                                                 |                        |                 |        |                            |                     | 2025                 |            |                       |
| Em conformidade com o Decreto-Lei n.º 69/2023 de 21 de agosto, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR). |                                                                                                |                        |                 |        |                            |                     |                      |            |                       |
| Parâmetro (unidades)                                                                                                                                                                                                                                                                             | Valor Paramétrico (VP)                                                                         |                        | Valores obtidos |        | N.º Análises superiores VP | % Cumprimento do VP | N.º Análises (PCQA)  |            | % Análises Realizadas |
|                                                                                                                                                                                                                                                                                                  | VP                                                                                             | Unidade                | Mínimo          | Máximo |                            |                     | Previstas            | Realizadas |                       |
| Escherichia coli (E. Coli)                                                                                                                                                                                                                                                                       | 0                                                                                              | N/100 ml               | 0               | 0      | 0                          | 100%                | 3                    | 3          | 100%                  |
| Bactérias coliformes                                                                                                                                                                                                                                                                             | 0                                                                                              | N/100 ml               | 0               | 0      | 0                          | 100%                | 3                    | 3          | 100%                  |
| Desinfetante residual                                                                                                                                                                                                                                                                            | ---                                                                                            | mg/l                   | 0,13            | 0,33   | ---                        | ---                 | 3                    | 3          | 100%                  |
| Cheiro a 25 °C                                                                                                                                                                                                                                                                                   | 3                                                                                              | Fator de diluição      | <1              | <1     | 0                          | 100%                | 1                    | 1          | 100%                  |
| Sabor a 25 °C                                                                                                                                                                                                                                                                                    | 3                                                                                              | Fator de diluição      | <1              | <1     | 0                          | 100%                | 1                    | 1          | 100%                  |
| pH                                                                                                                                                                                                                                                                                               | ≥6,5 e ≤9,5                                                                                    | Unidades pH            | 7,4             | 7,4    | 0                          | 100%                | 1                    | 1          | 100%                  |
| Condutividade                                                                                                                                                                                                                                                                                    | 2500                                                                                           | µS/cm a 20 °C          | 625             | 625    | 0                          | 100%                | 1                    | 1          | 100%                  |
| Cor                                                                                                                                                                                                                                                                                              | 20                                                                                             | mg/l PtCo              | <5,00           | <5,00  | 0                          | 100%                | 1                    | 1          | 100%                  |
| Turvação                                                                                                                                                                                                                                                                                         | 4                                                                                              | UNT                    | <0,50           | <0,50  | 0                          | 100%                | 1                    | 1          | 100%                  |
| Enterococos                                                                                                                                                                                                                                                                                      | 0                                                                                              | N/100 ml               | 0               | 0      | 0                          | 100%                | 1                    | 1          | 100%                  |
| Número de colónias a 22 °C                                                                                                                                                                                                                                                                       | ---                                                                                            | N/ml                   | 0               | 0      | ---                        | ---                 | 1                    | 1          | 100%                  |
| Número de colónias a 36 °C                                                                                                                                                                                                                                                                       | ---                                                                                            | N/ml                   | 0               | 0      | ---                        | ---                 | 0                    | 0          | ---                   |
| Clostridium perfringens                                                                                                                                                                                                                                                                          | 0                                                                                              | N/100 ml               | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Alumínio                                                                                                                                                                                                                                                                                         | 200                                                                                            | µg/L Al                | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Amónio                                                                                                                                                                                                                                                                                           | 0,50                                                                                           | mg/l NH <sub>4</sub>   | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Antimónio                                                                                                                                                                                                                                                                                        | 10,0                                                                                           | µg/l Sb                | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Arsénio                                                                                                                                                                                                                                                                                          | 10                                                                                             | µg/l As                | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Benzeno                                                                                                                                                                                                                                                                                          | 1,0                                                                                            | µg/l                   | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Benzo(a)pireno                                                                                                                                                                                                                                                                                   | 0,010                                                                                          | µg/l                   | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Boro                                                                                                                                                                                                                                                                                             | 1,5                                                                                            | mg/l B                 | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Bromatos                                                                                                                                                                                                                                                                                         | 10                                                                                             | µg/l BrO <sub>3</sub>  | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Cádmio                                                                                                                                                                                                                                                                                           | 5,0                                                                                            | µg/l Cd                | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Cálcio                                                                                                                                                                                                                                                                                           | ---                                                                                            | mg/l Ca                | 0               | 0      | ---                        | ---                 | 0                    | 0          | ---                   |
| Carbono Orgânico Total (COT)                                                                                                                                                                                                                                                                     | ---                                                                                            | mg/l C                 | 0               | 0      | ---                        | ---                 | 0                    | 0          | ---                   |
| Cianetos                                                                                                                                                                                                                                                                                         | 50                                                                                             | µg/l CN                | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Cloreto                                                                                                                                                                                                                                                                                          | 250                                                                                            | mg/l Cl                | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Cloritos                                                                                                                                                                                                                                                                                         | 0,25                                                                                           | mg/l ClO <sub>2</sub>  | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Cloratos                                                                                                                                                                                                                                                                                         | 0,25                                                                                           | mg/l ClO <sub>3</sub>  | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Chumbo                                                                                                                                                                                                                                                                                           | 10                                                                                             | µg/l Pb                | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Cobre                                                                                                                                                                                                                                                                                            | 2,0                                                                                            | mg/l Cu                | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Crómio                                                                                                                                                                                                                                                                                           | 50                                                                                             | µg/l Cr                | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| 1,2 – dicloroetano                                                                                                                                                                                                                                                                               | 3,0                                                                                            | µg/l                   | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Dureza total                                                                                                                                                                                                                                                                                     | ---                                                                                            | mg/l CaCO <sub>3</sub> |                 |        | ---                        | ---                 | 0                    | 0          | ---                   |
| Ferro                                                                                                                                                                                                                                                                                            | 200                                                                                            | µg/l Fe                | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Fluoretos                                                                                                                                                                                                                                                                                        | 1,5                                                                                            | mg/l F                 | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Hidrocarbonetos Aromáticos Policíclicos (HAP):                                                                                                                                                                                                                                                   | 0,10                                                                                           | µg/l                   | 0               | 0      | 0                          | ---                 | 0                    | 0          | ---                   |
| Benzo(b)fluoranteno                                                                                                                                                                                                                                                                              | ---                                                                                            | µg/l                   | 0               | 0      | ---                        | ---                 | 0                    | 0          | ---                   |
| Benzo(k)fluoranteno                                                                                                                                                                                                                                                                              | ---                                                                                            | µg/l                   | 0               | 0      | ---                        | ---                 | 0                    | 0          | ---                   |
| Benzo(ghi)perileno                                                                                                                                                                                                                                                                               | ---                                                                                            | µg/l                   | 0               | 0      | ---                        | ---                 | 0                    | 0          | ---                   |
| Indeno(1,2,3-cd)pireno                                                                                                                                                                                                                                                                           | ---                                                                                            | µg/l                   | 0               | 0      | ---                        | ---                 | 0                    | 0          | ---                   |
| Magnésio                                                                                                                                                                                                                                                                                         | ---                                                                                            | mg/l Mg                | 0               | 0      | ---                        | ---                 | 0                    | 0          | ---                   |

---

| Parâmetro (unidades)             | Valor Paramétrico (VP) |                      | Valores obtidos |        | N.º Análises superiores VP | % Cumprimento do VP | N.º Análises (PCQA) |            | % Análises Realizadas |
|----------------------------------|------------------------|----------------------|-----------------|--------|----------------------------|---------------------|---------------------|------------|-----------------------|
|                                  | VP                     | Unidade              | Mínimo          | Máximo |                            |                     | Previstas           | Realizadas |                       |
| Manganês                         | 50                     | µg/l Mn              | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Nitratos <sup>1</sup>            | 50                     | mg/l NO <sub>3</sub> | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Nitritos                         | 0,50                   | mg/l NO <sub>2</sub> | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Mercúrio                         | 1,0                    | µg/l Hg              | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Níquel                           | 20                     | µg/l Ni              | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Oxidabilidade                    | 5,0                    | mg/l O <sub>2</sub>  | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Potássio                         | ---                    | mg/L K               | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Pesticidas - total               | 0,50                   | µg/l                 | <0,03           | <0,03  | 0                          | 100%                | 1                   | 1          | 100%                  |
| 2,4-D                            | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Atrazina                         | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Bentazona                        | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | --                    |
| Clorpirifos                      | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Clortolurão                      | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Desetilatrazina                  | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Desetilterbutilazina             | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Dimetoato                        | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Diurão                           | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| M656PH051                        | 0,10                   | µg/l                 | <0,030          | <0,030 | 0                          | 100%                | 1                   | 1          | 100%                  |
| Dimetenamida-P                   | 0,10                   | µg/l                 | <0,030          | <0,030 | 0                          | 100%                | 1                   | 1          | 100%                  |
| Linurão                          | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| MCPA                             | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Metribuzina                      | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Tebuconazol                      | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Terbutilazina                    | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Ometoato                         | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Mecoprope                        | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Glifosato                        | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| AMPA                             | 0,10                   | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Selénio                          | 20                     | µg/l Se              | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Sódio                            | 200                    | mg/l Na              | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Sulfatos                         | 250                    | mg/l SO <sub>4</sub> | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Tetracloroeteno e Tricloroeteno: | 10                     | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Tetracloroeteno                  | ---                    | µg/l                 | 0               | 0      | ---                        | ---                 | 0                   | 0          | ---                   |
| Tricloroeteno                    | ---                    | µg/l                 | 0               | 0      | ---                        | ---                 | 0                   | 0          | ---                   |
| Trihalometanos - total (THM):    | 100                    | µg/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Clorofórmio                      | ---                    | µg/l                 | 0               | 0      | ---                        | ---                 | 0                   | 0          | ---                   |
| Bromofórmio                      | ---                    | µg/l                 | 0               | 0      | ---                        | ---                 | 0                   | 0          | ---                   |
| Bromodiclorometano               | ---                    | µg/l                 | 0               | 0      | ---                        | ---                 | 0                   | 0          | ---                   |
| Dibromoclorometano               | ---                    | µg/l                 | 0               | 0      | ---                        | ---                 | 0                   | 0          | ---                   |
| Dose indicativa                  | 0,10                   | mSv                  | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Alfa total                       | 0,10                   | Bq/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Beta total                       | 1,00                   | Bq/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |
| Urânio 234                       | ---                    | Bq/l                 | 0               | 0      | ---                        | ---                 | 0                   | 0          | ---                   |
| Urânio 238                       | ---                    | Bq/l                 | 0               | 0      | ---                        | ---                 | 0                   | 0          | ---                   |
| Rádio 226                        | ---                    | Bq/l                 | 0               | 0      | ---                        | ---                 | 0                   | 0          | ---                   |
| Polónio 210                      | ---                    | Bq/l                 | 0               | 0      | ---                        | ---                 | 0                   | 0          | ---                   |
| Radão                            | 500                    | Bq/l                 | 0               | 0      | 0                          | ---                 | 0                   | 0          | ---                   |

|                                                                                                                                                                                                                                                                                                                                                                                       |                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| <b>Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas):</b>                                                                                                                                                                                                                                                           |                                                          |
| Causa do incumprimento <b>Cloro residual “no local”</b> : T1 - Dosagem inadequada de reagente                                                                                                                                                                                                                                                                                         |                                                          |
| Embora se tenha verificado que o Parâmetro Cloro Residual “no local”, apresenta um valor abaixo dos valores recomendados (entre 0,2mg/l e 0,6 mg/l), mas, uma vez que os parâmetros Bactérias Coliformes e Escherichia coli apresentam valores de acordo com o Valor Paramétrico, considera-se o incumprimento fechado. No entanto foi corrigida a dosagem de reagente no tratamento. |                                                          |
| <b>Responsável: O Vereador, José Inácio Guerreiro Costa</b>                                                                                                                                                                                                                                                                                                                           | <b>Data da publicação no <i>website</i> : 05-11-2025</b> |