



**DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO  
CONCELHO DE ARMAMAR**

**2.º TRIMESTRE**

**ZONA DE ABASTECIMENTO: ZA\_FONTELO**

**2022**

Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei n.º 152/2007, de 7 de dezembro, 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 |                       |
| <i>Escherichia coli (E. Coli)</i>              | 0                      | N/100 ml               | 0               | 0         | 0                          | 100%                | 2                   | 2          | 100%                  |
| Bactérias coliformes                           | 0                      | N/100 ml               | 0               | 0         | 0                          | 100%                | 2                   | 2          | 100%                  |
| Desinfetante residual                          | ---                    | mg/l                   | 0,6             | 0,6       | ---                        | ---                 | 2                   | 2          | 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            | 6,5             | 6,5       | 0                          | 100%                | 1                   | 1          | 100%                  |
| Condutividade                                  | 2500                   | µS/cm a 20 °C          | 118             | 118       | 0                          | 100%                | 1                   | 1          | 100%                  |
| Cor  | 20                     | mg/l PtCo              | 5,8             | 5,8       | 0                          | 100%                | 1                   | 1          | 100%                  |
| Turvação                                       | 4                      | UNT                    | <0,5(l.q)       | <0,5(l.q) | 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         | ---                        | ---                 | 1                   | 1          | 100%                  |
| <i>Clostridium perfringens</i>                 | 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                                      | 5,0                    | 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   | 1,0                    | 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          | ---                   |
| Cloretos                                       | 250                    | mg/l Cl                | 0               | 0         | 0                          | ---                 | 0                   | 0          | ---                   |
| Cloritos                                       | 0,7                    | mg/l ClO <sub>2</sub>  | 0               | 0         | 0                          | ---                 | 0                   | 0          | ---                   |
| Cloratos                                       | 0,7                    | 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         | ---                        | ---                 | 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          | ---                   |
| Manganês                                       | 50                     | µg/l Mn                | 0               | 0         | 0                          | ---                 | 0                   | 0          | ---                   |
| Nitratos                                       | 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          | ---                   |
| Pesticidas - total                             | 0,50                   | µg/l                   | 0               | 0         | 0                          | ---                 | 0                   | 0          | ---                   |
| Pesticida 1                                    | 0,10                   | µg/l                   | 0               | 0         | 0                          | ---                 | 0                   | 0          | ---                   |
| Pesticida 2                                    | 0,10                   | µg/l                   | 0               | 0         | 0                          | ---                 | 0                   | 0          | ---                   |
| Pesticida 3                                    | 0,10                   | µg/l                   | 0               | 0         | 0                          | ---                 | 0                   | 0          | ---                   |
| Pesticida 4                                    | 0,10                   | µg/l                   | 0               | 0         | 0                          | ---                 | 0                   | 0          | ---                   |
| Selénio  | 10                     | 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          | ---                   |
| Tetracloroetano e Tricloroetano:               | 10                     | µg/l                   | 0               | 0         | 0                          | ---                 | 0                   | 0          | ---                   |
| Tetracloroetano                                | ---                    | µg/l                   | 0               | 0         | ---                        | ---                 | 0                   | 0          | ---                   |
| Tricloroetano                                  | ---                    | 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          | ---                   |
| Bromodichlorometano                            | ---                    | µg/l                   | 0               | 0         | ---                        | ---                 | 0                   | 0          | ---                   |
| Dibromoclorometano                             | ---                    | µg/l                   | 0               | 0         | ---                        | ---                 | 0                   | 0          | ---                   |
| Dose indicativa                                | 0,10                   | mSv                    | 0               | 0         | 0                          | ---                 | 0                   | 0          | ---                   |
| Radão  | 500                    | Bq/l                   | 0               | 0         | 0                          | ---                 | 0                   | 0          | ---                   |

NOTA 1: Freguesia controlada na ZA\_FONTELO: Fontelo

NOTA 2: Pontos de Amostragem - Domicílio R. Ordem da Comenda; Domicílio R. das Lages.

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): Não foram registados quaisquer incumprimentos.

António Silva (O Vice Presidente):

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