

## Controlo de qualidade da água destinada ao consumo humano

### Município de Coimbra - Zona de Abastecimento Quinta das Cunhas - 1º Trimestre 2022

Divulgação dos resultados de qualidade da água distribuída pela AC, Águas de Coimbra, E.M. obtidos na zona de abastecimento de Quinta das Cunhas, segundo o Programa de Controlo de Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR - Entidade Reguladora dos Serviços de Águas e Resíduos) e de acordo com o Decreto-Lei n.º 306/2007, de 27 de agosto, na sua redação atual e pelo Decreto-Lei n.º 23/2016, de 3 de junho.

| Parâmetro                                     | Unidades               | Nº de análises previstas (PCQA) | % análises realizadas | Valor Paramétrico (VP) | Valores Obtidos |        | % análises que cumprem o VP |
|-----------------------------------------------|------------------------|---------------------------------|-----------------------|------------------------|-----------------|--------|-----------------------------|
|                                               |                        |                                 |                       |                        | Mínimo          | Máximo |                             |
| CR1 - Controlo de Rotina 1                    |                        |                                 |                       |                        |                 |        |                             |
| Desinfetante residual                         | mg/L Cl                | 2                               | 100                   | ---                    | 0,50            | 0,55   | ---                         |
| Bactérias Coliformes                          | N/100 mL               | 2                               | 100                   | 0                      | 0               | 0      | 100                         |
| Escherichia Coli                              | N/100 mL               | 2                               | 100                   | 0                      | 0               | 0      | 100                         |
| CR2 - Controlo de Rotina 2                    |                        |                                 |                       |                        |                 |        |                             |
| Cheiro, a 25°C                                | Fator diluição         | ---                             | ---                   | 3                      | ---             | ---    | ---                         |
| Condutividade                                 | µS/cm a 20°C           | ---                             | ---                   | 2500                   | ---             | ---    | ---                         |
| Cor                                           | mg/L Pt-Co             | ---                             | ---                   | 20                     | ---             | ---    | ---                         |
| Enterococos                                   | N/100 mL               | ---                             | ---                   | 0                      | ---             | ---    | ---                         |
| Manganês                                      | µg/L Mn                | ---                             | ---                   | 50                     | ---             | ---    | ---                         |
| Número de colónias a 22°C                     | N/mL                   | ---                             | ---                   | sem alteração anormal  | ---             | ---    | ---                         |
| Número de colónias a 37°C                     | N/mL                   | ---                             | ---                   | sem alteração anormal  | ---             | ---    | ---                         |
| Oxidabilidade                                 | mg/L O <sub>2</sub>    | ---                             | ---                   | 5,0                    | ---             | ---    | ---                         |
| pH                                            | Esc. Sorensen          | ---                             | ---                   | 6,5 - 9,5              | ---             | ---    | ---                         |
| Sabor, a 25°C                                 | Fator diluição         | ---                             | ---                   | 3                      | ---             | ---    | ---                         |
| Turvação                                      | NTU                    | ---                             | ---                   | 4                      | ---             | ---    | ---                         |
| CI - Controlo de Inspeção                     |                        |                                 |                       |                        |                 |        |                             |
| *) 1,2-Dicloroetano                           | µg/L                   | ---                             | ---                   | 3,0                    | ---             | ---    | ---                         |
| Alumínio                                      | µg/L Al                | ---                             | ---                   | 200                    | ---             | ---    | ---                         |
| Amónio                                        | mg/L NH4               | ---                             | ---                   | 0,50                   | ---             | ---    | ---                         |
| *) Antimónio                                  | µg/L Sb                | ---                             | ---                   | 5,0                    | ---             | ---    | ---                         |
| *) Arsénio                                    | µg/L As                | ---                             | ---                   | 10                     | ---             | ---    | ---                         |
| *) Benzeno                                    | µg/L                   | ---                             | ---                   | 1,0                    | ---             | ---    | ---                         |
| Benzo(a)pireno                                | µg/L                   | ---                             | ---                   | 0,010                  | ---             | ---    | ---                         |
| *) Boro                                       | mg/L B                 | ---                             | ---                   | 1,0                    | ---             | ---    | ---                         |
| *) Bromatos                                   | µg/L BrO <sub>3</sub>  | ---                             | ---                   | 10                     | ---             | ---    | ---                         |
| *) Cádmio                                     | µg/L Cd                | ---                             | ---                   | 5,0                    | ---             | ---    | ---                         |
| Cálcio                                        | mg/L Ca                | ---                             | ---                   | ---                    | ---             | ---    | ---                         |
| Chumbo                                        | µg/L Pb                | ---                             | ---                   | 10                     | ---             | ---    | ---                         |
| *) Cianetos                                   | µg/L Cn                | ---                             | ---                   | 50                     | ---             | ---    | ---                         |
| *) Cloretos                                   | mg/L Cl                | ---                             | ---                   | 250                    | ---             | ---    | ---                         |
| Clostridium Perfringens                       | N/100 mL               | ---                             | ---                   | 0                      | ---             | ---    | ---                         |
| Tetracloroetano e Tricloroetano               | µg/L                   | ---                             | ---                   | 10                     | ---             | ---    | ---                         |
| *) Tetracloroetano                            | µg/L                   | ---                             | ---                   | ---                    | ---             | ---    | ---                         |
| *) Tricloroetano                              | µg/L                   | ---                             | ---                   | ---                    | ---             | ---    | ---                         |
| Cobre                                         | mg/L Cu                | ---                             | ---                   | 2,0                    | ---             | ---    | ---                         |
| Crómio                                        | µg/L Cr                | ---                             | ---                   | 50                     | ---             | ---    | ---                         |
| Dureza Total                                  | mg/L CaCO <sub>3</sub> | ---                             | ---                   | ---                    | ---             | ---    | ---                         |
| Ferro                                         | µg/L Fe                | ---                             | ---                   | 200                    | ---             | ---    | ---                         |
| *) Fluoretos                                  | mg/L F                 | ---                             | ---                   | 1,5                    | ---             | ---    | ---                         |
| Hidrocarbonetos Aromáticos Policíclicos (HAP) | µg/L                   | ---                             | ---                   | 0,10                   | ---             | ---    | ---                         |
| HAP Benzo[b]fluoranteno                       | µg/L                   | ---                             | ---                   | ---                    | ---             | ---    | ---                         |
| HAP Benzo[ghi]perileno                        | µg/L                   | ---                             | ---                   | ---                    | ---             | ---    | ---                         |
| HAP Benzo[k]fluoranteno                       | µg/L                   | ---                             | ---                   | ---                    | ---             | ---    | ---                         |
| HAP Indeno[1,2,3-cd]pireno                    | µg/L                   | ---                             | ---                   | ---                    | ---             | ---    | ---                         |
| Magnésio                                      | mg/L Mg                | ---                             | ---                   | ---                    | ---             | ---    | ---                         |
| *) Mercúrio                                   | µg/L Hg                | ---                             | ---                   | 1,0                    | ---             | ---    | ---                         |
| Níquel                                        | µg/L Ni                | ---                             | ---                   | 20                     | ---             | ---    | ---                         |
| *) Nitratos                                   | mg/L NO <sub>3</sub>   | ---                             | ---                   | 50                     | ---             | ---    | ---                         |
| Nitritos                                      | mg/L NO <sub>2</sub>   | ---                             | ---                   | 0,50                   | ---             | ---    | ---                         |
| Pesticidas (PEST) Total                       | µg/L                   | ---                             | ---                   | 0,50                   | ---             | ---    | ---                         |
| *) PEST Alacloro                              | µg/L                   | ---                             | ---                   | 0,10                   | ---             | ---    | ---                         |
| *) PEST Bentazona                             | µg/L                   | ---                             | ---                   | 0,10                   | ---             | ---    | ---                         |
| *) PEST Clorpirifos                           | µg/L                   | ---                             | ---                   | 0,10                   | ---             | ---    | ---                         |
| *) PEST Desetilterbutazina                    | µg/L                   | ---                             | ---                   | 0,10                   | ---             | ---    | ---                         |
| *) PEST Dimetoato                             | µg/L                   | ---                             | ---                   | 0,10                   | ---             | ---    | ---                         |
| *) PEST Diurão                                | µg/L                   | ---                             | ---                   | 0,10                   | ---             | ---    | ---                         |
| *) PEST Imidaclopride                         | µg/L                   | ---                             | ---                   | 0,10                   | ---             | ---    | ---                         |
| *) PEST Metolacloro                           | µg/L                   | ---                             | ---                   | 0,10                   | ---             | ---    | ---                         |
| *) PEST MCPA                                  | µg/L                   | ---                             | ---                   | 0,10                   | ---             | ---    | ---                         |
| *) PEST Ometoato                              | µg/L                   | ---                             | ---                   | 0,10                   | ---             | ---    | ---                         |
| *) PEST Oxadiazão                             | µg/L                   | ---                             | ---                   | 0,10                   | ---             | ---    | ---                         |
| *) PEST Terbutilazina                         | µg/L                   | ---                             | ---                   | 0,10                   | ---             | ---    | ---                         |
| Dose Indicativa Total                         | mSv                    | ---                             | ---                   | 0,10                   | ---             | ---    | ---                         |
| *) α-Total                                    | Bq/L                   | ---                             | ---                   | ---                    | ---             | ---    | ---                         |
| Radão (W-RN222LSC-10)                         | Bq/L                   | ---                             | ---                   | 500                    | ---             | ---    | ---                         |
| *) Selénio                                    | µg/L Se                | ---                             | ---                   | 10                     | ---             | ---    | ---                         |
| *) Sódio                                      | mg/L Na                | ---                             | ---                   | 200                    | ---             | ---    | ---                         |
| *) Sulfatos                                   | mg/L SO <sub>4</sub>   | ---                             | ---                   | 250                    | ---             | ---    | ---                         |
| Trihalometanos (THM) Total                    | µg/L                   | ---                             | ---                   | 100                    | ---             | ---    | ---                         |
| THM Bromodiclorometano                        | µg/L                   | ---                             | ---                   | ---                    | ---             | ---    | ---                         |
| THM Bromofórmio                               | µg/L                   | ---                             | ---                   | ---                    | ---             | ---    | ---                         |
| THM Clorodibromometano                        | µg/L                   | ---                             | ---                   | ---                    | ---             | ---    | ---                         |
| THM Clorofórmio                               | µg/L                   | ---                             | ---                   | ---                    | ---             | ---    | ---                         |

Ensaios e colheita de amostras realizados pelo Laboratório Luságua - Serviços Ambientais, S.A. (acreditado pelo IPAC, segundo a norma NP EN ISO 17025, e considerado apto para o controlo da qualidade da água para consumo humano pela autoridade competente-ERSAR)

(\*) Parâmetros (conservativos) analisados pela entidade gestora em alta (Câmara Municipal de Condeixa)

Informação complementar relativa à averiguação das situações de incumprimentos dos Valores Paramétricos (VP):  
Não foi detetada nenhuma situação de incumprimento na Zona de Abastecimento de Quinta das Cunhas.

O Presidente do Conselho de Administração (José Alfeu Almeida de Sá Marques)



06-06-2022