

Controlo de qualidade da água destinada ao consumo humano
Município de Coimbra - Zona de Abastecimento Quinta das Cunhas - 2º 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 | 1 | 100 | --- | 0,56 | 0,56 | --- |
| Bactérias Coliformes | N/100 mL | 1 | 100 | 0 | 0 | 0 | 100 |
| Escherichia Coli | N/100 mL | 1 | 100 | 0 | 0 | 0 | 100 |
| CR2 - Controlo de Rotina 2 | | | | | | | |
| Cheiro, a 25°C | Fator diluição | 1 | 100 | 3 | <1 | <1 | 100 |
| Condutividade | µS/cm a 20°C | 1 | 100 | 2500 | 118 | 118 | 100 |
| Cor | mg/L Pt-Co | 1 | 100 | 20 | <6 | <6 | 100 |
| Enterococos | N/100 mL | 1 | 100 | 0 | 0 | 0 | 100 |
| Manganês | µg/L Mn | 1 | 100 | 50 | <10 | <10 | 100 |
| Número de colónias a 22°C | N/mL | 1 | 100 | sem alteração anormal | 0 | 0 | --- |
| Número de colónias a 37°C | N/mL | 1 | 100 | sem alteração anormal | 0 | 0 | --- |
| Oxidabilidade | mg/L O ₂ | 1 | 100 | 5,0 | <1,0 | <1,0 | 100 |
| pH | Esc. Sorensen | 1 | 100 | 6,5 - 9,5 | 7,7 | 7,7 | 100 |
| Sabor, a 25°C | Fator diluição | 1 | 100 | 3 | <1 | <1 | 100 |
| Turvação | NTU | 1 | 100 | 4 | <0,80 | <0,80 | 100 |
| CI - Controlo de Inspeção | | | | | | | |
| (*) 1,2-Dicloroetano | µg/L | --- | --- | 3,0 | --- | --- | --- |
| Alumínio | µg/L Al | 1 | 100 | 200 | 11 | 11 | 100 |
| Amónio | mg/L NH ₄ | 1 | 100 | 0,50 | <0,10 | <0,10 | 100 |
| (*) Antimónio | µg/L Sb | --- | --- | 5,0 | --- | --- | --- |
| (*) Arsénio | µg/L As | --- | --- | 10 | --- | --- | --- |
| (*) Benzeno | µg/L | --- | --- | 1,0 | --- | --- | --- |
| Benzo(a)pireno | µg/L | 1 | 100 | 0,010 | <0,0030 | <0,0030 | 100 |
| (*) Boro | mg/L B | --- | --- | 1,0 | --- | --- | --- |
| (*) Bromatos | µg/L BrO ₃ | --- | --- | 10 | --- | --- | --- |
| (*) Cádmio | µg/L Cd | --- | --- | 5,0 | --- | --- | --- |
| Cálcio | mg/L Ca | 1 | 100 | --- | 10 | 10 | 100 |
| Chumbo | µg/L Pb | 1 | 100 | 10 | <3,0 | <3,0 | 100 |
| (*) Cianetos | µg/L Cn | --- | --- | 50 | --- | --- | --- |
| (*) Cloretos | mg/L Cl | --- | --- | 250 | --- | --- | --- |
| Clostridium Perfringens | N/100 mL | 1 | 100 | 0 | 0 | 0 | 100 |
| (*) Tetracloroetano e Tricloroetano | µg/L | --- | --- | 10 | --- | --- | --- |
| (*) Tetracloroetano | µg/L | --- | --- | --- | --- | --- | --- |
| (*) Tricloroetano | µg/L | --- | --- | --- | --- | --- | --- |
| Cobre | mg/L Cu | 1 | 100 | 2,0 | <0,10 | <0,10 | 100 |
| Crómio | µg/L Cr | 1 | 100 | 50 | <6,0 | <6,0 | 100 |
| Dureza Total | mg/L CaCO ₃ | 1 | 100 | --- | 37 | 37 | 100 |
| Ferro | µg/L Fe | 1 | 100 | 200 | <40 | <40 | 100 |
| (*) Fluoretos | mg/L F | --- | --- | 1,5 | --- | --- | --- |
| Hidrocarbonetos Aromáticos Policíclicos (HAP) | µg/L | 1 | 100 | 0,10 | <0,0200 | <0,0200 | 100 |
| HAP Benzo[b]fluoranteno | µg/L | 1 | 100 | --- | <0,0200 | <0,0200 | --- |
| HAP Benzo[ghi]perileno | µg/L | 1 | 100 | --- | <0,0200 | <0,0200 | --- |
| HAP Benzo[k]fluoranteno | µg/L | 1 | 100 | --- | <0,0200 | <0,0200 | --- |
| HAP Indeno[1,2,3-cd]pireno | µg/L | 1 | 100 | --- | <0,0200 | <0,0200 | --- |
| Magnésio | mg/L Mg | 1 | 100 | --- | 3,3 | 3,3 | --- |
| (*) Mercúrio | µg/L Hg | --- | --- | 1,0 | --- | --- | --- |
| Níquel | µg/L Ni | 1 | 100 | 20 | <6,0 | <6,0 | 100 |
| (*) Nitratos | mg/L NO ₃ | --- | --- | 50 | --- | --- | --- |
| Nitritos | mg/L NO ₂ | 1 | 100 | 0,50 | <0,04 | <0,04 | 100 |
| (*) 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 | 1 | 100 | 500 | <10,0 | <10,0 | 100 |
| (*) Selénio | µg/L Se | --- | --- | 10 | --- | --- | --- |
| (*) Sódio | mg/L Na | --- | --- | 200 | --- | --- | --- |
| (*) Sulfatos | mg/L SO ₄ | --- | --- | 250 | --- | --- | --- |
| Trihalometanos (THM) Total | µg/L | 1 | 100 | 100 | 14,5 | 14,5 | 100 |
| THM Bromodiclorometano | µg/L | 1 | 100 | --- | 3,95 | 3,95 | --- |
| THM Bromofórmio | µg/L | 1 | 100 | --- | 1,84 | 1,84 | --- |
| THM Clorodibromometano | µg/L | 1 | 100 | --- | 5,82 | 5,82 | --- |
| THM Clorofórmio | µg/L | 1 | 100 | --- | 2,91 | 2,91 | --- |

Ensaios e colheita de amostras realizados pelo Laboratório Lusáqua - 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)



12-09-2022