

Controlo de qualidade da água destinada ao consumo humano

Município de Coimbra - Zona de Abastecimento Olhos de Fervença - 4º Trimestre 2023

Divulgação dos resultados de qualidade da água distribuída pela AC, Águas de Coimbra, E.M. obtidos na zona de abastecimento de Olhos de Fervença, 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 o Artigo 32º do Decreto-Lei nº69/2023, de 21 de agosto.

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	3	100	---	0,29	0,45	---
Bactérias Coliformes	N/100 mL	3	100	0	0	0	100
Escherichia Coli	N/100 mL	3	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	472	472	100
Cor	mg/L Pt-Co	1	100	20	<6	<6	100
Enterococos	N/100 mL	1	100	0	0	0	100
Número de colónias a 22°C	N/mL	1	100	sem alteração anormal	9	9	---
Número de colónias a 37°C	N/mL	1	100	sem alteração anormal	10	10	---
pH	Esc. Sorensen	1	100	≥6,5 e ≤9,5	7,8	7,8	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	22	22	100
Amónio	mg/L NH4	1	100	0,50	<0,10	<0,10	100
(*) Antimónio	µg/L Sb	---	---	10,0	---	---	---
(*) 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	---	---	1,5	---	---	---
(*) Bromatos	µg/L BrO ₃	---	---	10	---	---	---
(*) Cádmio	µg/L Cd	---	---	5,0	---	---	---
Cálcio	mg/L Ca	1	100	---	100	100	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	---	254	254	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	100
HAP Benzo[ghi]perileno	µg/L	1	100	---	<0,0200	<0,0200	100
HAP Benzo[k]fluoranteno	µg/L	1	100	---	<0,0200	<0,0200	100
HAP Indeno[1,2,3-cd]pireno	µg/L	1	100	---	<0,0200	<0,0200	100
Magnésio	mg/L Mg	1	100	---	16	16	100
Manganês	µg/L Mn	1	100	50	<10	<10	100
(*) Mercúrio	µg/L Hg	---	---	1,0	---	---	---
Níquel	µg/L Ni	1	100	20	7,7	7,7	100
(*) Nitratos	mg/L NO ₃	---	---	50	---	---	---
Nitritos	mg/L NO ₂	1	100	0,50	<0,04	<0,04	100
Oxidabilidade	mg/L O ₂	1	100	5,0	1,2	1,2	100
(*) Pesticidas (PEST) Total	µg/L	1	100	0,50	<0,024	<0,024	100
(*) PEST 2,4-D	µg/L	1	100	0,10	<0,024	<0,024	100
(*) PEST Bentazona	µg/L	1	100	0,10	<0,014	<0,014	100
(*) 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 Dimetenamida - P	µg/L	---	---	0,10	---	---	---
(*) PEST Metribuzina	µg/L	---	---	0,01	---	---	---
(*) PEST Metolaclo	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	---	---	---
(*) Atividade α-Total	Bq/L	---	---	0,10 (nível de verificação)	---	---	---
(*) Selénio	µg/L Se	---	---	20	---	---	---
(*) Sódio	mg/L Na	---	---	200	---	---	---
(*) Sulfatos	mg/L SO ₄	---	---	250	---	---	---
Trihalometanos (THM) Total	µg/L	1	100	100	4,13	4,13	100
THM Bromodichlorometano	µg/L	1	100	---	0,31	0,31	100
THM Bromofórmio	µg/L	1	100	---	2,71	2,71	100
THM Clorodibromometano	µg/L	1	100	---	1,11	1,11	100
THM Clorofórmio	µg/L	1	100	---	<0,10	<0,10	100
Outro conforme art.º 32 do Decreto-Lei 69/2023, de 21 de agosto							
Potássio	mg/l K	2	---	---	1,91	1,96	---

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 (Inova, E.M.)

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 Olhos da Fervença.