

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE							4º Trimestre		
		Zona de Abastecimento: ZA3_TC_2024							2024		
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).											
Grupo	Parâmetro	Nº Amostras PCQA			Unidades	Valor Paramétrico (VP)	Valor Recomendado (indicador)	Resultados Obtidos		Nº amostras superiores ao VP	Análises que cumprem o VP (%)
		Nº Análises Previstas	Nº Análises Realizadas	% de Análises Realizadas				Máximos	Mínimos		
CR1	Bactérias coliformas	3	3	100	UFC/100mL	0	---	17	0	1	66,7
	Cloro residual livre	3	3	100	mg/L Cl ₂	---	≥ 0,2 e ≤ 0,6	0,5	0,5	0	100
	E. coli	3	3	100	UFC/100mL	0	---	0	0	0	100
CR2	Amónio	2	2	100	mg/L NH ₄ ⁺	0,50	---	<0,05	<0,05	0	100
	Alumínio	2	2	100	µg/L Al	200	---	43,6	41,3	0	100
	Cheiro	2	2	100	Factor de diluição	3	---	<1	<1	0	100
	Clostridium perfringens (incluindo esporos)	2	2	100	UFC/100mL	0	---	0	0	0	100
	Condutividade	2	2	100	µS/cm a 20°C	2500	---	147	126	0	100
	Cor	2	2	100	mg/L PtCo	30	---	<3,0	<3,0	0	100
	Enterococos intestinais	2	2	100	UFC/100mL	0	---	0	0	0	100
	Ferro	2	2	100	µg/L Fe	200	---	<60	<60	0	100
	Manganês	2	2	100	µg/L Mn	50	---	<0,50	<0,50	0	100
	Nitratos	2	2	100	mg/L NO ₃	50	25	6,2	<1,0	0	100
	Número de colónias a 22°C	2	2	100	UFC/mL	SAA	100	1	0	0	100
	pH	2	2	100	Unidades de pH	≥ 6,5 e ≤ 9,5	---	7,9	7,8	0	100
	Sabor	2	2	100	Factor diluição	3	---	<1	<1	0	100
	Turbidez	2	2	100	NTU	≤ 1	---	<1,0	<1,0	0	100
	CI	1,2-dicloroetano	0	0	---	µg/L	3	---	---	---	0
Alfa total		0	0	---	Bq/L	0,1	---	---	---	0	---
Antimónio		0	0	---	µg/L Sb	5	---	---	---	0	---
Arsénio		0	0	---	µg/L As	10	---	---	---	0	---
Benzeno		0	0	---	µg/L	1	---	---	---	0	---
Benzol(a)pireno		0	0	---	µg/L	---	---	---	---	0	---
Boro		0	0	---	mg/L B	1	---	---	---	0	---
Bromatos		0	0	---	µg/L BrO ₃	10	---	---	---	0	---
Cádmio		0	0	---	µg/L Cd	5	---	---	---	0	---
Cálcio		0	0	---	mg/L Ca	---	≤100	---	---	0	---
Chumbo		0	0	---	µg/L Pb	10	---	---	---	0	---
Cianetos		0	0	---	µg/L CN	50	---	---	---	0	---
Cloratos		0	0	---	mg/L	0,7	---	---	---	0	---
Cloratos		0	0	---	mg/L Cl	250	---	---	---	0	---
Cloritos		0	0	---	mg/L	0,7	---	---	---	0	---
Cobre		0	0	---	mg/L Cu	2	---	---	---	0	---
Crómio		0	0	---	µg/L Cr	50	---	---	---	0	---
Dose Indicativa total		0	0	---	mSv/ano	0,1	---	---	---	0	---
Dureza total		0	0	---	mg/L CaCO ₃	---	≥ 150 e ≤ 500	---	---	0	---
Fluoretos		0	0	---	mg/L F	1,5	---	---	---	0	---
Hidrocarbonetos aromáticos policíclicos (HAP)		0	0	---	µg/L	0,1	---	---	---	0	---
Benzo(b)fluoranteno		0	0	---	µg/L	---	---	---	---	0	---
Benzo(k)fluoranteno		0	0	---	µg/L	---	---	---	---	0	---
Benzo(a,h,i)perileno		0	0	---	µg/L	---	---	---	---	0	---
Indeno(1,2,3-cd)pireno		0	0	---	µg/L	---	---	---	---	0	---
Magnésio		0	0	---	mg/L Mg	---	≤ 50	---	---	0	---
Mercurio		0	0	---	µg/L Hg	1	---	---	---	0	---
Níquel		0	0	---	µg/L Ni	20	---	---	---	0	---
Nitritos		0	0	---	mg/L NO ₂	0,1	---	---	---	0	---
Oxidabilidade		0	0	---	mg/L O ₂	5	---	---	---	0	---
Pesticidas totais		0	0	---	µg/L	0,5	---	---	---	0	---
Aclorfo		0	0	---	µg/L	0,1	---	---	---	0	---
Bentazona		0	0	---	µg/L	0,1	---	---	---	0	---
Clorpirifos		0	0	---	µg/L	0,1	---	---	---	0	---
Dimetonamida-P		0	0	---	µg/L	0,1	---	---	---	0	---
METSEPTOCL		0	0	---	µg/L	0,1	---	---	---	0	---
Dimetoato		0	0	---	µg/L	0,1	---	---	---	0	---
Dimetoato		0	0	---	µg/L	0,1	---	---	---	0	---
Diurdo		0	0	---	µg/L	0,1	---	---	---	0	---
imidaclopride		0	0	---	µg/L	0,1	---	---	---	0	---
Isoproturão		0	0	---	µg/L	0,1	---	---	---	0	---
Linurão		0	0	---	µg/L	0,1	---	---	---	0	---
MCPA		0	0	---	µg/L	0,1	---	---	---	0	---
Metolaxil / Metolaxil-M		0	0	---	µg/L	0,1	---	---	---	0	---
Metolaclo		0	0	---	µg/L	0,1	---	---	---	0	---
Metrifluzina		0	0	---	µg/L	0,1	---	---	---	0	---
Oxamil		0	0	---	µg/L	0,1	---	---	---	0	---
Simazina		0	0	---	µg/L	0,1	---	---	---	0	---
Desetilisimazina		0	0	---	µg/L	0,1	---	---	---	0	---
Terbutifluzina		0	0	---	µg/L	0,1	---	---	---	0	---
Desetilterbutilazina		0	0	---	µg/L	0,1	---	---	---	0	---
Potónio-210		0	0	---	Bq/L	0,1	---	---	---	0	---
Potássio		0	0	---	mg/L	SAA	---	---	---	0	---
Rádio		0	0	---	Bq/L	500	---	---	---	0	---
Rádio-226		0	0	---	Bq/L	0,5	---	---	---	0	---
Selénio		0	0	---	µg/L Se	10	---	---	---	0	---
Sódio		0	0	---	mg/L Na	200	---	---	---	0	---
Sulfatos		0	0	---	mg/L SO ₄	250	---	---	---	0	---
Tetracloreto e Tricloreto		0	0	---	µg/L	10	---	---	---	0	---
Trihalometanos total (THM)		0	0	---	µg/L	100	---	---	---	0	---
Bromofórmio		0	0	---	µg/L	---	---	---	---	0	---
Bromodiclorometano		0	0	---	µg/L	---	---	---	---	0	---
Clorofórmio		0	0	---	µg/L	---	---	---	---	0	---
Dibromoclorometano	0	0	---	µg/L	---	---	---	---	0	---	
Urânio-234	0	0	---	Bq/L	2,8	---	---	---	0	---	
Urânio-238	0	0	---	Bq/L	3	---	---	---	0	---	
TOTAL		37	37								

Legenda

- >/< Valor superior ou inferior ao Limite de Quantificação
- SAA Sem alteração anormal
- Abc Valor superior ao limite permitido por lei (valor paramétrico)
- Abc Valor superior / inferior ao recomendado por lei (parâmetros indicadores)
- a) A realizar apenas quando o resultado dos parâmetros "alfa total" >0,10 Bq/L e "Dose Indicativa total" > 0,1 mSv

Metodologia de averiguação de causas relativas a incumprimentos:

Realização de análises de verificação, no ponto de amostragem onde se registou o incumprimento, num ponto de amostragem geograficamente próximo, e no ponto de controlo operacional, na rede de distribuição.

Causas relativas a incumprimentos:

X2 - A averiguação das causas foi inconclusiva

Medidas corretivas implementadas:

N4 - Não foram tomadas medidas porque as análises posteriores não confirmaram o incumprimento

O Presidente do Conselho de Administração,

Henrique Barroso Batista Antunes

O Diretor Delegado,

Samuel Dias (eng.º)

Técnico Responsável

Marcia Reis (eng.º)