

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE								3º Trimestre	
		Zona de Abastecimento: ZA1_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 coliformes	6	6	100	UFC/100mL	0	---	0	0	0	100
	Cloro residual livre	6	6	100	mg/L Cl ₂	---	≥ 0,2 e ≤ 0,6	0,5	0,16	0	100
	E. coli	6	6	100	UFC/100mL	0	---	0	0	0	100
	Alumínio	4	4	100	µg/L Al	200	---	60,6	38,3	0	100
	Amoníaco	4	4	100	mg/L NH ₄	0,5	---	<0,05	<0,05	0	100
	Cheiro	4	4	100	Factor diluição	3	---	<1	<1	0	100
	Clostridium perfringens (incluindo esporos)	4	4	100	UFC/100mL	0	---	0	0	0	100
	Condutividade	4	4	100	µS/cm a 20°C	2500	---	781	655	0	100
	Carbono orgânico total (COT)	4	4	100	mg/L C	SAA	---	2,79	0,98	0	100
	Cor	4	4	100	mg/L PtCo	20	---	<3,0	<3,0	0	100
	Enterococos intestinais	4	4	100	UFC/100mL	0	---	0	0	0	100
	Ferro	4	4	100	µg/L Fe	200	---	159	<20,0	0	100
	Manganês	4	4	100	µg/L Mn	50	---	5,48	<0,50	0	100
	Nitrato	4	4	100	mg/L NO ₃	50	25	3,3	<1,0	0	100
CR2	Nitrito	4	4	100	mg/L NO ₂	0,1	---	<0,10	<0,10	0	100
	Número de colónias a 22°C	4	4	100	UFC/mL	SAA	100	19	0	0	100
	Oxidabilidade	4	4	100	mg/L O ₂	5	---	3,3	1,3	0	100
	pH	4	4	100	Unidades de pH	≥ 6,5 e ≤ 9,5	---	8,0	7,8	0	100
	Sabor	4	4	100	Factor diluição	3	---	<1	<1	0	100
	Trihalometanos total (THM)	4	4	100	µg/L	100	---	108	38,8	1	75
	Bromofórmio	4	4	100	µg/L	---	---	46,1	0,22	0	100
	Clorofórmio	4	4	100	µg/L	---	---	22,7	1,40	0	100
	Dibromoclorometano	4	4	100	µg/L	---	---	44,7	4,59	0	100
	Bromodichlorometano	4	4	100	µg/L	---	---	14,1	7,52	0	100
	Turbidez	4	4	100	NTU	≤ 1	---	1,5	<0,20	1	100
	Cheiro	0	0	---	Factor de diluição	3	---	---	---	0	---
	1,2-dicloroetano	0	0	---	µg/L	---	---	---	---	0	---
	Alfa total	0	0	---	Bq/L	0,1	---	---	---	0	---
CI	Arsénio	0	0	---	µg/L Sb	5	---	---	---	0	---
	Arsénio	0	0	---	µg/L As	10	---	---	---	0	---
	Benzeno	0	0	---	µg/L	1	---	---	---	0	---
	Benzo(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	---
	Cloreto	0	0	---	mg/L Cl	250	---	---	---	0	---
	Cloratos	0	0	---	mg/L	0,7	---	---	---	0	---
	Cobre	0	0	---	mg/L Cu	2	---	---	---	0	---
Cromo	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 (HAPs)	0	0	---	µg/L	0,1	---	---	---	0	---	
Benzo(b)fluoranteno	0	0	---	µg/L	---	---	---	---	0	---	
Benzo(k)fluoranteno	0	0	---	µg/L	---	---	---	---	0	---	
Benzo(g,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	---	
Pesticidas totais	1	1	100	µg/L	0,50	---	<0,10	<0,10	0	100	
Alacloro	0	0	---	µg/L	0,1	---	---	---	0	---	
Bentazona	0	0	---	µg/L	0,1	---	---	---	0	---	
Clorpirifos	1	1	100	µg/L	0,1	---	<0,0300	<0,0300	0	100	
Dimetienamida-P	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100	
M658PH051	0	0	---	µg/L	0,1	---	---	---	0	---	
Quinazolin	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100	
Ormetoato	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100	
Quinaz	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100	
Imidaclopride	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100	
Isoproturão	0	0	---	µg/L	0,1	---	---	---	0	---	
Linurão	0	0	---	µg/L	0,1	---	---	---	0	---	
MCPA	0	0	---	µg/L	0,1	---	---	---	0	---	
Metalaxil / Metalixil-M	0	0	---	µg/L	0,1	---	---	---	0	---	
Metolaclo	1	1	---	µg/L	0,1	---	<0,030	<0,030	0	100	
Metribuzina	0	0	---	µg/L	0,1	---	---	---	0	---	
Oxalol	1	1	100	µg/L	0,1	---	<0,050	<0,050	0	100	
Simazina	0	0	---	µg/L	0,1	---	---	---	0	---	
Desmetilazina	0	0	---	µg/L	0,1	---	---	---	0	---	
Terbutilazina	0	0	---	µg/L	0,1	---	---	---	0	---	
Desmetilazina	0	0	---	µg/L	0,1	---	---	---	0	---	
Gliofosato	0	0	---	µg/L	0,1	---	---	---	0	---	
AMPA	0	0	100	µg/L	0,1	---	---	---	0	---	
Polónio-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	0,6	---	---	---	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	---	
Urânio-234	0	0	---	Bq/L	2,8	---	---	---	0	---	
TOTAL		115	115								

Legenda

- >/< Valor superior ou inferior ao Limite de Quantificação
- SAA Sem alteração anormal
- Abe Valor superior ao limite permitido por lei (valor paramétrico)
- Abe Valor superior / inferior ao recomendado por lei (parâmetros indicadores)
- e) 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:	Causas relativas a incumprimentos:	Medidas corretivas implementadas:
Realização de análises de verificação	X1: a presença de THM tem sido controlada pela adequada gestão do dosamento de hipoclorito de sódio, no reforço da desinfecção, dosado automaticamente, em função de uma consigna de tratamento; porém, a gestão do armazenamento, derivado ao consumo, ou mesmo das EE, condicionam negativamente este controlo.	F: minimização dos tempos de residência de água nos reservatórios

O Presidente do Conselho de Administração,
 Henrique Martins Batista Antunes

O Diretor Delegado,
 Samuel Reis (eng)

Técnico Responsável
 Mécia Reis (eng)