

SERVIÇOS MUNICIPALIZADOS DE PENICHE	DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE		1º Trimestre
	Zona de Abastecimento: ZA3_TC_2026		2026

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	3	3	100	UFC/100ml	3	---	0	0	0	100	
	Cloro residual livre	3	3	100	mg/L Cl ₂	---	> 0,2 e ≤ 0,6	0,5	0,30	0	100	
	E. coli	3	3	100	UFC/100ml	3	---	0	0	0	100	
	Amónio	1	1	100	mg/L NH ₄ ⁺	0,50	---	<0,05	<0,05	0	100	
	Alumínio	1	1	100	mg/L Al	200	---	36,5	36,5	0	100	
	Cheiro	1	1	100	Factor diluição	3	---	<1	<1	0	100	
	Coliformes patogénicos (oculinda esporos)	1	1	100	UFC/100ml	0	---	0	0	0	100	
	Condutividade	1	1	100	µS/cm a 20°C	2500	---	186	186	0	100	
	Cor	1	1	100	mg/L PtCo	30	---	43,0	43,0	0	100	
	CR2	Enterococos intestinais	1	1	100	UFC/100ml	0	---	0	0	0	100
Ferro		1	1	100	µg/L Fe	200	---	49,0	49,0	0	100	
Manganés		1	1	100	µg/L Mn	50	---	<5,0	<5,0	0	100	
Nitratos		1	1	100	mg/L NO ₃	30	---	5,4	5,4	0	100	
Número de colónias a 22°C		1	1	100	UFC/ml	SAA	100	0	0	0	100	
pH		1	1	100	Unidades pH	7,3 e 7,6	---	7,9	7,9	0	100	
Sabor		1	1	100	Factor diluição	3	---	<1	<1	0	100	
Turbidez		1	1	100	NTU	4	---	<1,0	<1,0	0	100	
CI		1,2-dicloroetano	0	0	---	µg/L	3	---	---	---	0	---
		Acetato	0	0	---	µg/L	10	---	---	---	0	---
	Ácidos haloacéticos totais (HAAs)	0	0	---	µg/L	---	---	---	---	0	---	
	Ácido monobromoaacético	0	0	---	µg/L	---	---	---	---	0	---	
	Ácido dibromoaacético	0	0	---	µg/L	---	---	---	---	0	---	
	Ácido tribromoaacético	0	0	---	µg/L	---	---	---	---	0	---	
	Ácido cloroacético	0	0	---	µg/L	---	---	---	---	0	---	
	Ácido bromoaacético	0	0	---	µg/L	---	---	---	---	0	---	
	Ácido iodoacético	0	0	---	µg/L	---	---	---	---	0	---	
	Arsénio	0	0	---	µg/L As	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	---	
	Bisfenol A	0	0	---	µg/L	2,5	---	---	---	0	---	
	Boro	0	0	---	mg/L B	1	---	---	---	0	---	
	Bromato	0	0	---	µg/L BrO ₃	10	---	---	---	0	---	
	Cádmio	0	0	---	µg/L Cd	5	---	---	---	0	---	
	Cálcio	0	0	---	mg/L Ca	---	---	---	---	0	---	
	Chumbo	0	0	---	µg/L Pb	10	---	---	---	0	---	
	Cinco	0	0	---	µg/L Zn	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	---	
	Cobalto	0	0	---	mg/L Co	1	---	---	---	0	---	
	Crómio	0	0	---	µg/L Cr	50	---	---	---	0	---	
	Dose Indicativa Total	0	0	---	mS/cm	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	---	
	Benz(a)fluoranteno	0	0	---	µg/L	---	---	---	---	0	---	
	Benz(a)pireno	0	0	---	µg/L	---	---	---	---	0	---	
	Benz(b)fluoranteno	0	0	---	µg/L	---	---	---	---	0	---	
	Indeno(1,2,3-cd)pireno	0	0	---	µg/L	---	---	---	---	0	---	
	Magnésio	0	0	---	mg/L Mg	---	---	---	---	0	---	
	Mercurio	0	0	---	µg/L Hg	1	---	---	---	0	---	
	Níquel	0	0	---	µg/L Ni	20	---	---	---	0	---	
	Nitratos	0	0	---	mg/L NO ₃	0,1	---	---	---	0	---	
	Oxalato	0	0	---	mg/L O ₂	5	---	---	---	0	---	
	Pesticidas totais	0	0	---	µg/L	0,5	---	---	---	0	---	
	Alicina	0	0	---	µg/L	0,1	---	---	---	0	---	
	Bentazona	0	0	---	µg/L	0,1	---	---	---	0	---	
	Clorpirifos	0	0	---	µg/L	0,1	---	---	---	0	---	
	Dimetenoil-S-P	0	0	---	µg/L	0,1	---	---	---	0	---	
	Metolachlor	0	0	---	µg/L	0,1	---	---	---	0	---	
	Demetolo	0	0	---	µg/L	0,1	---	---	---	0	---	
	Ometoato	0	0	---	µg/L	0,1	---	---	---	0	---	
	Diurilo	0	0	---	µg/L	0,1	---	---	---	0	---	
	Glifosato	0	0	---	µg/L	0,1	---	---	---	0	---	
	AMPA	0	0	---	µg/L	0,1	---	---	---	0	---	
	Imidacloprid	0	0	---	µg/L	0,1	---	---	---	0	---	
MCPA	0	0	---	µg/L	0,1	---	---	---	0	---		
Metolachlor / Metolachlor-M	0	0	---	µg/L	0,1	---	---	---	0	---		
Metolachlor / S-Metolachlor	0	0	---	µg/L	0,1	---	---	---	0	---		
Methidatop	0	0	---	µg/L	0,1	---	---	---	0	---		
Smetrina	0	0	---	µg/L	0,1	---	---	---	0	---		
Desmetmetazina	0	0	---	µg/L	0,1	---	---	---	0	---		
Tebuconazol	0	0	---	µg/L	0,1	---	---	---	0	---		
Tebuconazol	0	0	---	µg/L	0,1	---	---	---	0	---		
Desmetilbutiazina	0	0	---	µg/L	0,1	---	---	---	0	---		
Total de PFAS	0	0	---	µg/L	0,5	---	---	---	0	---		
Soma de PFAS	0	0	---	µg/L	---	---	---	---	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	0,5	---	---	---	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 totais (THM)	0	0	---	µg/L	100	---	---	---	0	---		
Bromofórmio	0	0	---	µg/L	---	---	---	---	0	---		
Bromodiclorometano	0	0	---	µg/L	---	---	---	---	0	---		
Cloroformio	0	0	---	µg/L	---	---	---	---	0	---		
Diclorodifluorometano	0	0	---	µg/L	---	---	---	---	0	---		
Urânio-234	0	0	---	Bq/L	2,8	---	---	---	0	---		
Urânio-238	0	0	---	Bq/L	3	---	---	---	0	---		
TOTAL		23	23									

Legenda

- >K Valor superior ou inferior ao Limite de Quantificação
- BAA Sem alteração anormal
- Abc Valor superior ao limite permitido por lei (valor paramétrico)
- Abv 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

21/05/2026
MR

Metodologia de averiguação de causas relativas a incumprimentos:	Causas relativas a incumprimentos:	Medidas corretivas implementadas:
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O Presidente do Conselho de Administração, O Diretor Delegado, Técnico Responsável

Pedro Henrique Lourenço Berata, Samuel Dinis (engº), Mária Reis (engº)