

SERVIÇOS MUNICIPALIZADOS DE PENICHE	DADOS DO CONTROLE DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE	2º Trimestre
	Zona de Abastecimento: ZA1_TC_2025	2025

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 Controle 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	6	6	100	UFC/100ml	0	---	0	0	0	100
	Cloro residual livre	6	7	116,67	mg/L Cl ₂	---	≥ 0,2 e ≤ 0,6	0,6	<0,16	0	100
	E. coli	6	6	100	UFC/100ml	0	---	0	0	0	100
	Alumínio	3	3	100	µg/L Al	200	---	<20,0	12,5	0	100
	Amónia	3	3	100	mg/L NH ₃	0,50	---	<0,50	<0,05	0	100
	Cheiro	3	3	100	Factor diluição	3	---	<1	<1	0	100
	Clostridium perfringens (excluído esporos)	3	3	100	UFC/100ml	0	---	0	0	0	100
	Condutividade	3	4	133,33	µS/cm a 20°C	2500	---	783	635	0	100
	Carbono orgânico total (COT)	3	4	133,33	mg/L C	SAA	---	2,52	1,39	0	100
	Cor	3	3	100	mg/L PtCo	20	---	<3,0	<3,0	0	100
	Enterococos intestinais	3	3	100	UFC/100ml	0	---	0	0	0	100
	Ferro	3	3	100	µg/L Fe	200	---	101	28,5	0	100
	Manganês	3	3	100	µg/L Mn	50	---	<5,0	<0,50	0	100
	Nitratos	3	3	100	mg/L NO ₃	50	25	7,2	3,3	0	100
CR2	Nitratos	3	3	100	mg/L NO ₃	50	25	7,2	3,3	0	100
	Número de colónias a 22°C	3	3	100	UFC/ml	SAA	100	35	0	0	100
	Oxalatoxidade	3	3	100	mg/L O _x	5	---	2,0	<1,0	0	100
	pH	3	4	133,33	Unidades de pH	≥ 6,5 e ≤ 9,5	---	7,9	7,7	0	100
	Sabor	3	3	100	Factor diluição	3	---	<1	<1	0	100
	Trihalometanos total (THM)	3	4	133,33	µg/L	100	---	105	64,5	1	75
	Bromofórmio	3	4	133,33	µg/L	---	---	44,7	26,3	0	100
	Bromodichlorometano	3	4	133,33	µg/L	---	---	12,1	7,14	0	100
	Clorofórmio	3	4	133,33	µg/L	---	---	2,88	1,17	0	100
	Dibromoclorometano	3	4	133,33	µg/L	---	---	32,4	4,20	0	100
	Turbidez	3	3	100	NTU	5,1	---	<1,0	<1,0	0	100
	1,2-dicloroetano	0	0	---	µg/L	3	---	---	---	0	---
	Alfa total	0	0	---	µg/L	0,1	---	---	---	0	---
	Antimónio	0	0	---	µg/L Sb	5	---	---	---	0	---
CI	Árseno	0	0	---	µg/L As	10	---	---	---	0	---
	Benzeno	0	0	---	µg/L	1	---	---	---	0	---
	Benzofluoreno	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	---
	Cobalto	0	0	---	mg/L Co	2	---	---	---	0	---
	Cromo	0	0	---	µg/L Cr	50	---	---	---	0	---
	Dose Indicativa total	0	0	---	mg/L	0,1	---	---	---	0	---
CI	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)fluoranteno	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	0	1	---	µg/L	0,50	---	<0,03	<0,03	0	100
	Alachlor	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
	Benfazona	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
	Clorpirifos	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
	Dimetato	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
CI	Ometato	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
	Diurão	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
	Imidaclopride	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
	MCPA	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
	Metolaxol / Metolaxol-M	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
	Metolaxol	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
	Simetone	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
	Desetilazina	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
	Terbutilazina	0	1	---	µg/L	0,10	---	<0,030	<0,030	0	100
	Desetilbutilazina	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
	Tebuconazole	0	1	---	µg/L	0,10	---	<0,030	<0,030	0	100
	Metribuzina	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
	Glyphosate	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
	AMPA	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
	Dimetamidado-P	0	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
CI	Metabolito M656PH051	0	1	---	µg/L	---	---	<0,030	<0,030	0	100
	Potónio-210	0	0	---	Bq/L	0,1	---	---	---	0	---
	Potássio	0	0	---	mg/L	SAA	---	---	---	0	---
	Rádios	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	---
	Urânio-234	0	0	---	Bq/L	2,8	---	---	---	0	---
	Urânio-238	0	0	---	Bq/L	3	---	---	---	0	---
TOTAL		84	114							0	

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)

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:	Causas relativas a incumprimentos:	Medidas corretivas implementadas:
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	X2 - A averiguação das causas foi inconclusiva	N4 - Não foram tomadas medidas porque as análises posteriores não confirmaram o incumprimento