

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE								1º Trimestre	
		Zona de Abastecimento: ZA4_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 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	---	≥ 0,2 e ≤ 0,8	0,6	0,4	0	100
	E. coli	6	6	100	UFC/100ml	0	---	0	0	0	100
	Alumínio	3	3	100	µg/L	200	---	22,1	15,4	0	100
	Amónia	3	3	100	mg/L NH ₄	0,5	---	<0,05	<0,05	0	100
	Cheiro	3	3	100	factor de diluição	3	---	<1	<1	0	100
	Clostridium perfringens (incluindo esporos)	3	3	100	UFC/100ml	0	---	0	0	0	100
	Condutividade	3	3	100	µS/cm a 20°C	2500	---	430	354	0	100
	Carbono orgânico total (COT)	3	3	100	mg/L	---	SAA	1,3	0,93	0	100
	Cor	3	3	100	mg/L PtCo	20	---	<3,0	<3,0	0	100
CR2	Enterococos intestinais	3	3	100	UFC/100ml	0	---	0	0	0	100
	Ferro	3	3	100	µg/L Fe	200	---	<60	<60	0	100
	Manganês	3	3	100	µg/L Mn	50	---	<0,50	<0,50	0	100
	Nitratos	3	3	100	mg/L NO ₃	50	---	8,4	<1,0	0	100
	Nitritos	3	3	100	mg/L NO ₂	0,1	---	<0,10	<0,10	0	100
	Número de colónias a 22°C	3	3	100	UFC/ mL	SAA	100	57	0	0	100
	Oxidabilidade	3	3	100	mg/L O ₂	5	---	1,6	<1,0	0	100
	pH	3	3	100	Unidades de pH	≥ 6,5 e ≤ 9,5	---	7,9	7,7	0	100
	Sabor	3	3	100	Factor de diluição	3	---	<1	<1	0	100
	Trihalometanos total (THM)	3	3	100	µg/L	100	---	40	34,4	0	100
CR3	Bromofórmio	3	3	100	µg/L	---	---	6,29	4,3	0	100
	Bromodichlorometano	3	3	100	µg/L	---	---	9,48	7,39	0	100
	Clorofórmio	3	3	100	µg/L	---	---	15,7	10	0	100
	Dibromoclorometano	3	3	100	µg/L	---	---	9,1	6,49	0	100
	Torçao	3	3	100	NTU	4,1	---	<1,0	---	0	100
	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	---
CR4	Benzofluoranteno	0	0	---	µg/L	---	---	---	---	0	---
	Benzopireno	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	---
	Cloritos	0	0	---	mg/L Cl	200	---	---	---	0	---
CR5	Cloritos	0	0	---	mg/L	0,7	---	---	---	0	---
	Cobalto	0	0	---	mg/L Co	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(g,h,i)perileno	0	0	---	µg/L	---	---	---	---	0	---
CR6	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	0	---	µg/L	0,5	---	---	---	0	---
	Acloruro	0	0	---	µg/L	0,1	---	---	---	0	---
	Bentazona	0	0	---	µg/L	0,1	---	---	---	0	---
	Chlorpyrifos	0	0	---	µg/L	0,1	---	---	---	0	---
	Dimetato	0	0	---	µg/L	0,1	---	---	---	0	---
	Dimetato	0	0	---	µg/L	0,1	---	---	---	0	---
CR7	Diuron	0	0	---	µg/L	0,1	---	---	---	0	---
	Imidaclopride	0	0	---	µg/L	0,1	---	---	---	0	---
	MCPA	0	0	---	µg/L	0,1	---	---	---	0	---
	Metaxathi / Metaxathi-M	0	0	---	µg/L	0,1	---	---	---	0	---
	Metolaclo	0	0	---	µg/L	0,1	---	---	---	0	---
	Simazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Desetilsimazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Terbutilazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Desetilterbutilazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Terbutozanol	0	0	---	µg/L	0,1	---	---	---	0	---
CR8	Metribuzina	0	0	---	µg/L	0,1	---	---	---	0	---
	Glifosato	0	0	---	µg/L	0,1	---	---	---	0	---
	AMPA	0	0	---	µg/L	0,1	---	---	---	0	---
	Dimetomida-P	0	0	---	µg/L	0,1	---	---	---	0	---
	Metabolito M656PH051	0	0	---	µg/L	0,1	---	---	---	0	---
	Polónio-210	0	0	---	Bq/L	0,1	---	---	---	0	---
	Potássio	0	0	---	mg/L	SAA	---	---	---	0	---
	Rádão	0	0	---	Bq/L	500	---	---	---	0	---
	Rádão-226	0	0	---	Bq/L	0,5	---	---	---	0	---
	Selénio	0	0	---	µg/L Se	10	---	---	---	0	---
CR9	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	84								

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:	Causas relativas a incumprimentos:	Medidas corretivas implementadas:
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O Presidente do Conselho de Administração,

Henrique Batista Antunes

O Diretor Delegado,

Samuel Reis (engº)

Técnico Responsável

Mercia Reis (engº)