

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLE DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE								2º Trimestre	
		Zona de Abastecimento: PE02_CASAL ARRUDA_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	1	1	100	UFC/100mL	0	---	0	0	0	100
	Cloro residual livre	1	1	100	mg/L Cl ₂	---	≥ 0,2 e ≤ 0,6	0,7	0,7	0	100
	E. coli	1	1	100	UFC/100mL	0	---	0	0	0	100
	Alumínio	1	1	100	µg/L Al	200	---	30,6	30,6	0	100
	Chumbo	1	1	100	Factor de redução	3	---	<1	<1	0	100
CR2	Condutividade	1	1	100	µS/cm a 20°C	2500	---	117	117	0	100
	Cor	1	1	100	mg/L PtCo	30	---	<3,0	<3,0	0	100
	Clostridium perfringens (incluindo esporos)	1	1	100	UFC/100mL	0	---	0	0	0	100
	Enterococos intestinais	1	1	100	UFC/100mL	0	---	0	0	0	100
	Nitratos	1	1	100	mg/l NO ₃	50	25	2,4	2,4	0	100
	Numero de colónias a 22°C	1	1	100	UFC/mL	SAA	100	0	0	0	100
	pH	1	1	100	Unidades de pH	≥ 6,5 e ≤ 9,5	---	8,3	8,3	0	100
	Sabor	1	1	100	Factor de redução	3	---	<1	<1	0	100
	Turvação	1	1	100	NTU	≤ 1	---	<0,20	<0,20	0	100
	1,2-dicloroetano	0	0	---	µg/L	0	---	---	---	0	---
CI	Alfa total	0	0	---	Bq/L	0,1	---	---	---	0	---
	Amónio	0	0	---	mg/L NH ₄	0,5	---	---	---	0	---
	Antimónio	0	0	---	µg/L Sb	5	---	---	---	0	---
	Ársénio	0	0	---	µg/L As	10	---	---	---	0	---
	Benzeno	0	0	---	µg/L	1	---	---	---	0	---
	Benz(a)pireno	0	0	---	µg/L	0,01	---	---	---	0	---
	Boro	0	0	---	mg/L B	1	---	---	---	0	---
	Bromatos	0	0	---	µg/L BrO ₂	10	---	---	---	0	---
	Cádmio	0	0	---	µg/L Cd	5	---	---	---	0	---
	Cálcio	0	0	---	mg/L Ca	<100	---	---	---	0	---
	Carbono orgânico total (COT)	0	0	---	mg/L	SAA	---	---	---	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	---
	Cloritos	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	---
	Ferro	0	0	---	µg/L Fe	200	---	---	---	0	---
	Fluoretos	0	0	---	mg/L F	1,5	---	---	---	0	---
	Hidrocarbonetos aromáticos policíclicos (HAP)	0	0	---	µg/L	0,1	---	---	---	0	---
	Benzo(h)fluoranteno	0	0	---	µg/L	---	---	---	---	0	---
	Benzo(k)fluoranteno	0	0	---	µg/L	---	---	---	---	0	---
	Benzo(a)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	---
	Manganês	0	0	---	µg/L Mn	50	---	---	---	0	---
	Mercurio	0	0	---	µg/L Hg	5	---	---	---	0	---
	Níquel	0	0	---	µg/L Ni	20	---	---	---	0	---
	Nítritos	0	0	---	mg/L NO ₂	0,1	---	---	---	0	---
	Radão	0	0	---	Bq/L	500	---	---	---	0	---
	Radão-226	0	0	---	Bq/L	0,5	---	---	---	0	---
	Oxidabilidade	0	0	---	mg/L O ₂	5	---	---	---	0	---
	Pesticidas totais	0	0	---	µg/L	0,5	---	---	---	0	---
	Alacloro	0	0	---	µg/L	0,1	---	---	---	0	---
	Bentazona	0	0	---	µg/L	0,1	---	---	---	0	---
	Clorpirifos	0	0	---	µg/L	0,1	---	---	---	0	---
	Dinotomídeo-P	0	0	---	µg/L	0,1	---	---	---	0	---
	M656PH051	0	0	---	µg/L	0,1	---	---	---	0	---
	Dimetato	0	0	---	µg/L	0,1	---	---	---	0	---
	Ometato	0	0	---	µg/L	0,1	---	---	---	0	---
	Dinot	0	0	---	µg/L	0,1	---	---	---	0	---
	Imidaclopride	0	0	---	µg/L	0,1	---	---	---	0	---
	MCPA	0	0	---	µg/L	0,1	---	---	---	0	---
	Metaxil / Metaxil-M	0	0	---	µg/L	0,1	---	---	---	0	---
	Metolotolo	0	0	---	µg/L	0,1	---	---	---	0	---
	Metribuzina	0	0	---	µg/L	0,1	---	---	---	0	---
	Simazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Desetisimazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Tebuconazol	0	0	---	µg/L	0,1	---	---	---	0	---
	Terbutilazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Desetisimazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Polónio-210	0	0	---	Bq/L	0,1	---	---	---	0	---
	Potássio	0	0	---	mg/L	SAA	---	---	---	0	---
	Selénio	0	0	---	µg/L Se	10	---	---	---	0	---
	Sódio	0	0	---	mg/L Na	200	---	---	---	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	---
	Bromodiflorometano	0	0	---	µg/L	---	---	---	---	0	---
	Clorofórmio	0	0	---	µg/L	---	---	---	---	0	---
	Dibromodiflorometano	0	0	---	µg/L	---	---	---	---	0	---
	Sulfatos	0	0	---	mg/L SO ₄	250	---	---	---	0	---
	Utrénio-234	0	0	---	Bq/L	2,0	---	---	---	0	---
	Utrénio-238	0	0	---	Bq/L	3	---	---	---	0	---
TOTAL		14	14	---	Bq/L	3	---	---	---	0	---

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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