

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE							2º Trimestre		
		Zona de Abastecimento: PE02_CASAL ARRUDA_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	2	2	---	UFC/100mL	0	---	0	0	0	100
	Cloro residual livre	2	2	---	mg/L Cl ₂	---	≥ 0,2 e ≤ 0,6	0,6	0,5	0	100
	E. coli	2	2	---	UFC/100mL	0	---	0	0	0	100
	Alumínio	1	1	---	µg/L Al	200	---	<10	<10	0	100
	Chumbo	1	1	---	Factor de diluição	3	---	<1	<1	0	100
CR2	Condutividade	1	1	---	µS/cm a 20°C	2500	---	125	125	0	100
	Cor	1	1	---	mg/L PtCo	20	---	<3,0	<3,0	0	100
	Clostridium perfringens (incluindo esporos)	1	1	---	UFC/100mL	0	---	0	0	0	100
	Enterococos intestinais	1	1	---	UFC/100mL	0	---	0	0	0	100
	Nitratos	1	1	---	mg/l NO ₃	50	25	3,6	3,6	0	100
	Número de colónias a 22°C	1	1	---	UFC/ml	SAA	100	0	0	0	100
	pH	1	1	---	Unidades de pH	≥ 6,5 e ≤ 9,5	---	8,2	8,2	0	100
	Sabor	1	1	---	Factor diluição	3	---	<1	<1	0	100
	Turbvação	1	1	---	NTU	≤ 1	---	<1,0	<1,0	0	100
	CI	1,2-dicloroetano	1	1	---	µg/L	3	---	<0,750	<0,750	0
Alfa total		1	1	---	Bq/L	0,1	---	<0,04	<0,04	0	100
Amónio		1	1	---	mg/L NH4	0,5	---	<0,05	<0,05	0	100
Antimónio		1	1	---	µg/L Sb	5,0	---	<1,0	<1,0	0	100
Arsénio		1	1	---	µg/L As	10	---	<3,0	<3,0	0	100
Benzeno		1	1	---	µg/L	1	---	<0,20	<0,20	0	100
Benz(a)pireno		1	1	---	µg/L	0,01	---	<0,0030	<0,0030	0	100
Boro		1	1	---	mg/L B	1,0	---	<0,010	<0,010	0	100
Bromatos		1	1	---	µg/L BrO3	10	---	<5,0	<5,0	0	100
Cádmio		1	1	---	µg/L Cd	5,0	---	<0,08	<0,08	0	100
Cálcio		1	1	---	mg/L Ca	---	≥ 100	11,2	11,2	0	100
Carbono orgânico total (COT)		1	1	---	mg/L C	SAA	---	0,81	0,81	0	100
Chumbo		1	1	---	µg/L Pb	10	---	<1,0	<1,0	0	100
Cianetos		1	1	---	µg/L CN	50	---	<10	<10	0	100
Cloratos		1	1	---	mg/L ClO ₂	0,7	---	<0,08	<0,08	0	100
Cloretos		1	1	---	mg/L Cl	250	---	<10,0	<10,0	0	100
Cloritos		1	1	---	mg/L ClO ₂	0,7	---	<0,02	<0,02	0	100
Cobre		1	1	---	mg/L Cu	2,0	---	<3,0E-03	<3,0E-03	0	100
Crómio		1	1	---	µg/L Cr	50	---	<3,0	<3,0	0	100
Dose Indicativa total		1	1	---	mSv/ano	0,1	---	<0,1	<0,1	0	100
Dureza total		1	1	---	mg/L CaCO ₃	---	≥ 150 e ≤ 500	37,9	37,9	0	100
Ferro		1	1	---	µg/L Fe	200	---	<20,0	<20,0	0	100
Fluoretos		1	1	---	mg/L F	1,5	---	<0,20	<0,20	0	100
Hidrocarbonetos aromáticos policíclicos (HAP)		1	1	---	µg/L	0,10	---	<0,0200	<0,0200	0	100
Benzo(b)fluoranteno		1	1	---	µg/L	---	---	<0,0200	<0,0200	0	100
Benzo(k)fluoranteno		1	1	---	µg/L	---	---	<0,0200	<0,0200	0	100
Benzo(a,h,i)perileno		1	1	---	µg/L	---	---	<0,0200	<0,0200	0	100
Indeno(1,2,3-cd)pireno		1	1	---	µg/L	---	---	<0,0200	<0,0200	0	100
Magnésio		1	1	---	mg/L Mg	---	≤ 50	2,43	2,43	0	100
Manganés		1	1	---	µg/L Mn	50	---	<4,0	<4,0	0	100
Mercurio		1	1	---	µg/L Hg	1	---	<0,0100	<0,0100	0	100
Níquel		1	1	---	µg/L Ni	20	---	<2,0	<2,0	0	100
Nitritos		1	1	---	mg/L NO ₂	0,1	---	<0,10	<0,10	0	100
Radão		1	1	---	Bq/L	500	---	<10,0	<10,0	0	100
Radão-226		a)	a)	---	Bq/L	0,5	---	---	---	0	---
Oxidabilidade		1	1	---	mg/L O ₂	5	---	<1,0	<1,0	0	100
Pesticidas totais		1	1	---	µg/L	0,50	---	<0,10	<0,10	0	100
Alacloro		1	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
Bentazona		1	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
Clorpirifos		1	1	---	µg/L	0,1	---	<0,0300	<0,0300	0	100
Dimetomorfida-P		0	0	---	µg/L	0,1	---	---	---	0	---
M656PH051		0	0	---	µg/L	0,1	---	---	---	0	---
Dimetato		1	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
Omefato		1	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
Diurão		1	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
Imidaclopride		1	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
Isoprofurão		1	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
Linurão		1	1	---	µg/L	0,10	---	<0,030	<0,030	0	100
MCPA		1	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
Metolaxil / Metalixil-M		1	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
Metolachloro		1	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
Metribuzina		1	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
Oxamyl		1	1	---	µg/L	0,1	---	<0,050	<0,050	0	100
Simazina		1	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
Desetilsimazina		1	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
Terbutilazina		1	1	---	µg/L	0,10	---	<0,030	<0,030	0	100
Desetiterbutilazina		1	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
Polónio-210		a)	a)	---	Bq/L	0,1	---	---	---	0	---
Potássio		1	1	---	mg/L K	---	---	<2,5	<2,5	0	100
Selénio		1	1	---	µg/L Se	10	---	<2,0	<2,0	0	100
Sódio		1	1	---	mg/L Na	200	---	<5,0	<5,0	0	100
Tetracloretoeno e Tricloretoeno		1	1	---	µg/L	10	---	<0,20	<0,20	0	100
Trihalometanos total (THM)		1	1	---	µg/L	100	---	49,2	49,2	0	100
Bromofórmio		1	1	---	µg/L	---	---	0,80	0,80	0	100
Bromodiclorometano		1	1	---	µg/L	---	---	14,6	14,6	0	100
Clorofórmio		1	1	---	µg/L	---	---	28,4	28,4	0	100
Dibromodiclorometano		1	1	---	µg/L	---	---	5,38	5,38	0	100
Sulfatos		1	1	---	mg/L SO ₄	250	---	<10,0	<10,0	0	100
Urânio-234		a)	a)	---	Bq/L	2,8	---	---	---	0	---
Urânio-238		a)	a)	---	Bq/L	3	---	---	---	0	---
TOTAL		79	79	---	Bq/L	3	---	---	---	0	---

Legenda
 > < Valor superior ou inferior ao Limite de Quantificação
 SAA Sem alteração anómala
 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:

O Presidente do Conselho de Administração, O Diretor Delegado, O Técnico Responsável
 Henrique Estêvão Batista Antunes Samuel Dinis (eng.º) Mária Reis (eng.º)