

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE								4º 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	100	UFC/100mL	0	---	0	0	0	100
	Cloro residual livre	2	2	100	mg/L Cl ₂	---	≥ 0,2 e ≤ 0,6	0,7	0,4	0	100
	E. coli	2	2	100	UFC/100mL	0	---	0	0	0	100
CR2	Alumínio	1	1	100	µg/L Al	200	---	54,4	54,4	0	100
	Chumbo	1	1	100	Factor diluição	2	---	<1	<1	0	100
	Condutividade	1	2	200	µS/cm a 20°C	2500	---	136	113	0	100
	Cor	1	1	100	mg/L PCO ₂	20	---	<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	2	200	mg/L NO ₃	50	25	38,0	2,0	0	100
	Número de colónias a 22°C	1	1	100	UFC/mL	SAA	100	0	0	0	100
	pH	1	2	200	Unidades de pH	≥ 6,5 e ≤ 9,5	---	8,0	7,8	0	100
	Sabor	1	1	100	Factor diluição	2	---	<1	<1	0	100
Turvação	1	1	100	NTU	≤ 1	---	<0,20	<0,20	0	100	
CI	1,2-dicloroetano	0	0	---	µg/L	2	---	---	---	0	---
	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	---
	Arsénio	0	0	---	µg/L As	10	---	---	---	0	---
	Benzeno	0	0	---	µg/L	1	---	---	---	0	---
	Benzo(a)pireno	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	---
	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	---
	Cloretos	0	0	---	mg/L Cl	250	---	---	---	0	---
	Cloritos	0	0	---	mg/L	0,7	---	---	---	0	---
	Cobre	0	0	---	mg/L Cu	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	---
	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(b)fluoranteno	0	0	---	µg/L	---	---	---	---	0	---
	Benzo(k)fluoranteno	0	0	---	µg/L	---	---	---	---	0	---
	Benzo(a,h,i)pireno	0	0	---	µg/L	---	---	---	---	0	---
	Indeno(1,2,3-cd)pireno	0	0	---	µg/L	---	---	---	---	0	---
	Magnésio	0	0	---	mg/L Mg	---	≤ 50	---	---	0	---
	Manganés	0	0	---	µg/L Mn	50	---	---	---	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	---
	Radão	0	0	---	Bq/L	500	---	---	---	0	---
	Radio-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	---
	Atocloro	0	0	---	µg/L	0,1	---	---	---	0	---
	Bentazotila	0	0	---	µg/L	0,1	---	---	---	0	---
	Clorpirifos	0	0	---	µg/L	0,1	---	---	---	0	---
	Dimetomamida-P	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100
	M656PH051	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100
	Dimetato	0	0	---	µg/L	0,1	---	---	---	0	---
	Ometato	0	0	---	µg/L	0,1	---	---	---	0	---
	Diurão	0	0	---	µg/L	0,1	---	---	---	0	---
	Imidacloprido	0	0	---	µg/L	0,1	---	---	---	0	---
	Isoproturão	0	0	---	µg/L	0,1	---	---	---	0	---
	Linurão	0	0	---	µg/L	0,1	---	---	---	0	---
	MCPA	0	0	---	µg/L	0,1	---	---	---	0	---
	Metolaxil / Metolixil-M	0	0	---	µg/L	0,1	---	---	---	0	---
	Metolacoro	0	0	---	µg/L	0,1	---	---	---	0	---
	Metribuzina	0	0	---	µg/L	0,1	---	---	---	0	---
	Oxamyl	0	0	---	µg/L	0,1	---	---	---	0	---
	Simazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Desmetilmetazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Terbutilazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Desmetilterbutilazina	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	---
	Tetracloroetano e Tricloroetano	0	0	---	µg/L	10	---	---	---	0	---
	Trihalometanos totais (THM)	0	0	---	µg/L	100	---	---	---	0	---
	Bromoformio	0	0	---	µg/L	---	---	---	---	0	---
	Bromodiclorometano	0	0	---	µg/L	---	---	---	---	0	---
	Cloroformio	0	0	---	µg/L	---	---	---	---	0	---
	Dibromodiclorometano	0	0	---	µg/L	---	---	---	---	0	---
	Sulfatos	0	0	---	mg/L SO ₄	250	---	---	---	0	---
	Urânio-234	0	0	---	Bq/L	2,8	---	---	---	0	---
TOTAL		19	22								

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, O Diretor, Técnico Responsável