

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE								1º Trimestre	
		Zona de Abastecimento: ZA3_TC_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	3	3	100	UFC/100mL	0	---	0	0	0	100
	Cloro residual livre	3	3	100	mg/L Cl ₂	---	≥ 0,2 e ≤ 0,6	0,6	0,39	0	100
	E. coli	3	3	100	UFC/100mL	0	---	0	0	0	100
	Alumínio	1	1	100	µg/L Al	200	---	28	28	0	100
	Amónio	1	1	100	mg/L NH ₄	0,5	---	<0,05	<0,05	0	100
CR2	Cheiro	1	1	100	Factor diluição	3	---	<1	<1	0	100
	Clostridium perfringens (incluindo esporos)	1	1	100	UFC/100mL	0	---	0	0	0	100
	Condutividade	1	1	100	µS/cm a 20°C	2500	---	143	143	0	100
	Cor	1	1	100	mg/L PtCo	20	---	<3,0	<3,0	0	100
	Enterococos	1	1	100	UFC/100mL	0	---	0	0	0	100
	Ferro	1	1	100	µg/L Fe	200	---	50,7	50,7	0	100
	Manganês	1	1	100	µg/L Mn	50	---	<4,0	<4,0	0	100
	Nitrato	1	1	100	mg/L NO ₃	50	25	3,6	3,6	0	100
	Número total de Germes 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	---	8,1	8,1	0	100
	Sabor	1	1	100	Factor diluição	3	---	<1	<1	0	100
	Turvação	1	1	100	NTU	≤ 1	---	<0,20	<0,20	0	100
CI	1,2-dicloroetano	0	0	---	µg/l	3	---	---	---	---	---
	Alfa total	0	0	---	Bq/L	0,1 Bq/L	---	---	---	---	---
	Antimónio	0	0	---	µg/l Sb	5	---	---	---	---	---
	Arsénio	0	0	---	µg/l As	10	---	---	---	---	---
	Benzeno	0	0	---	µg/l	1	---	---	---	---	---
	Benzo(a)pireno	0	0	---	µg/l	0,01	---	---	---	---	---
	Boro	0	0	---	mg/l B	1	---	---	---	---	---
	Bromatos	0	0	---	µg/l BrO3	10	---	---	---	---	---
	Cádmio	0	0	---	µg/l Cd	5	---	---	---	---	---
	Cálcio	0	0	---	mg/l Ca	---	<100	---	---	---	---
	Chumbo	0	0	---	µg/l Pb	10	---	---	---	---	---
	Cianetos	0	0	---	µg/l CN	50	---	---	---	---	---
	Cloratos	0	0	---	mg/l.	0,7	---	---	---	---	---
	Cloratos	0	0	---	mg/l Cl	250	---	---	---	---	---
	Cloritos	0	0	---	mg/L	0,7	---	---	---	---	---
	Cobre	0	0	---	mg/L Cu	2,0	---	---	---	---	---
	Crómio	0	0	---	µg/l Cr	50	---	---	---	---	---
	Dose indicativa total	0	0	---	mSv/ano	0,1 mSv/ano	---	---	---	---	---
	Dureza total	0	0	---	mg/l CaCO3	---	≥ 150 e ≤ 500	---	---	---	---
	Fluoretos	0	0	---	mg/L F	1,5	---	---	---	---	---
	Hidrocarbonetos aromáticos policíclicos (HAP)	0	0	---	µg/l	0,1	---	---	---	---	---
	Benzo(b)fluoranteno	0	0	---	µg/l	0,1	---	---	---	---	---
	Benzo(k)fluoranteno	0	0	---	µg/l	0,1	---	---	---	---	---
	Benzo(g,h,i)perileno	0	0	---	µg/l	0,1	---	---	---	---	---
	Indeno(1,2,3-cd)pireno	0	0	---	µg/l	0,1	---	---	---	---	---
	Magnésio	0	0	---	mg/L Mg	---	≤ 50	---	---	---	---
	Mercúrio	0	0	---	µg/l Hg	1	---	---	---	---	---
	Níquel	0	0	---	µg/l Ni	20	---	---	---	---	---
	Nitritos	0	0	---	mg/L NO2	0,1	---	---	---	---	---
	Oxidabilidade	0	0	---	mg/L O2	5	---	---	---	---	---
	Pesticidas totais	0	0	---	µg/L	0,50	---	---	---	---	---
	Alacloro	0	0	---	µg/ L	0,1	---	---	---	---	---
	Bentazona	0	0	---	µg/ L	0,1	---	---	---	---	---
	Clorpirifos	0	0	---	µg/ L	0,1	---	---	---	---	---
	Dimetenamida-P	0	0	---	µg/ L	0,1	---	---	---	---	---
	M655PH051	0	0	---	µg/ L	0,1	---	---	---	---	---
	Dimetoato	0	0	---	ng/ L	0,1	---	---	---	---	---
	Ometoato	0	0	---	µg/L	0,1	---	---	---	---	---
	Diurão	0	0	---	µg/l	0,1	---	---	---	---	---
	Imidaclopride	0	0	---	µg/ L	0,1	---	---	---	---	---
	Isoproturão	0	0	---	µg/ L	0,1	---	---	---	---	---
	Linurão	0	0	---	µg/ L	0,1	---	---	---	---	---
	MCPA	0	0	---	µg/ L	0,1	---	---	---	---	---
	Metafexil / Metabixil-M	0	0	---	µg/ L	0,1	---	---	---	---	---
	Metolaclo	0	0	---	µg/ L	0,1	---	---	---	---	---
	Metrifluzina	0	0	---	µg/ L	0,1	---	---	---	---	---
	Oxamil	0	0	---	µg/ L	0,1	---	---	---	---	---
	Sulazina	0	0	---	µg/ L	0,1	---	---	---	---	---
	Desetilsimazina	0	0	---	µg/ L	0,1	---	---	---	---	---
	Terbutilazina	0	0	---	µg/ L	0,1	---	---	---	---	---
	Desetilbutilazina	0	0	---	µg/ L	0,1	---	---	---	---	---
	Polónio-210	a)	0	---	Bq/L	0,1	---	---	---	---	---
	Potássio	0	0	---	mg/L	SAA	---	---	---	---	---
	Radão	0	0	---	Bq/L	500 Bq/L	---	---	---	---	---
	Rádio-226	a)	0	---	Bq/L	0,5	---	---	---	---	---
	Selénio	0	0	---	µg/l Se	10	---	---	---	---	---
	Sódio	0	0	---	mg/l Na	200	---	---	---	---	---
	Sulfatos	0	0	---	mg/l SO4	250	---	---	---	---	---
	Tetracloreto e Tricloroetano	0	0	---	µg/ L	10	---	---	---	---	---
	Trihalometanos total	0	0	---	µg/ L	100	---	---	---	---	---
	Bromofórmio	0	0	---	µg/ L	100	---	---	---	---	---
	Clorofórmio	0	0	---	µg/ L	100	---	---	---	---	---
	Dibromoclorometano	0	0	---	µg/ L	100	---	---	---	---	---
	Bromodiclorometano	0	0	---	µg/ L	100	---	---	---	---	---
	Urânio-234	a)	0	---	Bq/L	2,8	---	---	---	---	---
	Urânio-238	a)	0	---	Bq/L	3	---	---	---	---	---
TOTAL		23	23								

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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