



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_2023								2023	
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei n.º 152/2007, de 7 de dezembro, 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	---	≥ 0,2 e ≤ 0,6	0,60	0,25	0	100
	E. coli	3	3	100	UFC/100mL	0	---	0	0	0	100
	Alumínio	1	1	100	µg/L	200	---	21,6	21,6	0	100
	Amónio	1	1	100	mg/L	0,5	---	<0,05	<0,05	0	100
	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	---	240	240	0	100
	Cor	1	1	100	mg/L	20	---	<3,0	<3,0	0	100
	Enterococos	1	1	100	UFC/100mL	0	---	0	0	0	100
CR2	Ferro	1	1	100	mg/L	200	---	113	113	0	100
	Manganês	1	1	100	µg/L	50	---	1,25	1,25	0	100
	Nitratos	1	1	100	mg/L	50	25	2	2	0	100
	Número total de Germes a 22°C	1	1	100	UFC/mL	SAA	100	0	0	0	100
	Número total de Germes a 37°C	1	1	100	UFC/mL	SAA	20	0	0	0	100
	pH	1	1	100	Unidades de pH	≥ 6,5 e ≤ 9,5	---	7,7	7,7	0	100
	Sabor	1	1	100	Factor diluição	3	---	<1	<1	0	100
	Turvação	1	1	100	NTU	≤ 1	---	<1,0	<1,0	0	100
	1,2-dicloroetano	1	1	100	µg/L	3	---	<0,750	<0,750	0	100
	Alfa total	1	1	100	Bq/L	0,1	---	<0,04	<0,04	0	100
CI	Antimónio	1	1	100	µg/L	5	---	<1,0	<1,0	0	100
	Arsénio	1	1	100	µg/L	10	---	<1,0	<1,0	0	100
	Benzeno	1	1	100	µg/L	1	---	<0,20	<0,20	0	100
	Benzo(a)pireno	1	1	100	µg/L	0,01	---	<0,0030	<0,0030	0	100
	Boro	1	1	100	mg/L	1	---	0,014	0,014	0	100
	Bromatos	1	1	100	µg/L	10	---	<5,0	<5,0	0	100
	Cádmio	1	1	100	µg/L	5	---	<0,10	<0,10	0	100
	Cálcio	1	1	100	mg/L	---	<100	27,6	27,6	0	100
	Chumbo	1	1	100	µg/L	10	---	<1,0	<1,0	0	100
	Cianetos	1	1	100	µg/L	50	---	<10	<10	0	100
	Cloretos	1	1	100	mg/L	250	---	24,9	24,9	0	100
	Cobre	1	1	100	mg/L	2,0	---	0,0035	0,0035	0	100
	Crómio	1	1	100	µg/L	50	---	<1,0	<1,0	0	100
	Dose Indicativa total	1	1	100	mSv/ano	0,1	---	<0,1	<0,1	0	100
	Dureza total	1	1	100	mg/L	---	≥ 150 e ≤ 500	50	50	0	100
	Fluoretos	1	1	100	mg/L	1,5	---	<0,20	<0,20	0	100
	Hidrocarbonetos Aromáticos Policíclicos (HAP)	1	1	100	µg/L	0,1	---	<0,0200	<0,0200	0	100
	Benzo(b)fluoranteno	1	1	100	µg/L	0,1	---	<0,0200	<0,0200	0	100
	Benzo(g,h,i)perileno	1	1	100	µg/L	0,1	---	<0,0200	<0,0200	0	100
	Benzo(k)fluoranteno	1	1	100	µg/L	0,1	---	<0,0200	<0,0200	0	100
	Indeno(1,2,3-cd)pireno	1	1	100	µg/L	0,1	---	<0,0200	<0,0200	0	100
	Magnésio	1	1	100	mg/L	---	≤ 50	5	5	0	100
	Mercurio	1	1	100	µg/L	1	---	<0,010	<0,010	0	100
	Níquel	1	1	100	µg/L	20	---	<2,0	<2,0	0	100
	Nitritos	1	1	100	mg/L	0,1	---	<0,10	<0,10	0	100
	Oxidabilidade	1	1	100	mg/L	5	---	2,1	2,1	0	100
	Pesticidas totais	0	0	100	µg/L	0,5	---	---	---	---	---
	Alacloro	0	0	100	µg/L	0,1	---	---	---	---	---
	Bentazona	0	0	100	µg/L	0,1	---	---	---	---	---
	Clorpirifos	0	0	100	µg/L	0,1	---	---	---	---	---
	Dimetoato	0	0	100	µg/L	0,1	---	---	---	---	---
	Ometoato	0	0	100	µg/L	0,1	---	---	---	---	---
	Diurão	0	0	100	µg/L	0,1	---	---	---	---	---
	Imidaclopride	0	0	100	µg/L	0,1	---	---	---	---	---
	Isoprofurão	0	0	100	µg/L	0,1	---	---	---	---	---
	Linurão	0	0	100	µg/L	0,1	---	---	---	---	---
	MCPA	0	0	100	µg/L	0,1	---	---	---	---	---
	Metaxil / Metaxil-M	0	0	100	µg/L	0,1	---	---	---	---	---
	Metolaclo	0	0	100	µg/L	0,1	---	---	---	---	---
	Oxamil	0	0	100	µg/L	0,1	---	---	---	---	---
	Simazina	0	0	100	µg/L	0,1	---	---	---	---	---
	Desetilsimazina	0	0	100	µg/L	0,1	---	---	---	---	---
	Terbutilazina	0	0	100	µg/L	0,1	---	---	---	---	---
	Desetilterbutilazina	0	0	100	µg/L	0,1	---	---	---	---	---
	Dimetanida-P	0	0	100	µg/L	0,1	---	---	---	---	---
	Metribuzina	0	0	100	µg/L	0,1	---	---	---	---	---
	Polónio-210	1	a)	100	Bq/L	0,1	---	---	---	---	---
	Radão	1	1	100	Bq/L	500	---	<10,0	<10,0	0	100
	Rádio-226	1	a)	100	Bq/L	0,5	---	---	---	---	---
	Selénio	1	1	100	µg/L	10	---	<1,0	<1,0	0	100
	Sódio	1	1	100	mg/L	200	---	14,8	14,8	0	100
	Sulfatos	1	1	100	mg/L	250	---	23,7	23,7	0	100
	Tetracloreto	1	1	100	µg/L	10	---	<0,20	<0,20	0	100
	Tricloreto	1	1	100	µg/L	10	---	<0,10	<0,10	0	100
	Trihalometanos Total	1	1	100	µg/L	100	---	29,4	29,4	0	100
	Bromofórmio	1	1	100	µg/L	100	---	1,98	1,98	0	100
	Clorofórmio	1	1	100	µg/L	100	---	15,8	15,8	0	100
	Bromodiclorometano	1	1	100	µg/L	100	---	7,84	7,84	0	100
	Dibromodiclorometano	1	1	100	µg/L	100	---	3,82	3,82	0	100
	Urânio-234	1	a)	100	Bq/L	2,8	---	---	---	0	---
	Urânio-238	1	a)	100	Bq/L	3	---	---	---	0	---
TOTAL											

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: