

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE							1º Trimestre 2022			
		Zona de Abastecimento: ZAA_TC_2022										
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	f/ Amostragem 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	6	6	100	UFC/100mL	0	---	0	0	0	100	
	Cloro residual livre	6	6	100	mg/L Cl ₂	---	≥ 0,2 e ≤ 0,6	0,6	0,4	0	100	
	E. coli	6	6	100	UFC/100mL	0	---	0	0	0	100	
	Alumínio	3	3	100	µg/L Al	200	---	16,3	<10	0	100	
	Amónio	3	3	100	mg/L NH ₄ ⁺	0,50	---	0,49	<0,05	0	100	
	Chumbo	3	3	100	Factor diluição	3	---	<1	<1	0	100	
	Clostridium perfringens (incluindo esporos)	3	3	100	UFC/100mL	0	---	0	0	0	100	
	Condutividade	3	3	100	µS/cm a 20°C	2500	---	446	222	0	100	
	Carbono orgânico total (COT)	3	3	100	mg/L C	SAA	---	1,77	1,27	0	100	
	Gor	3	3	100	mg/L PCo	20	---	<3,0	<3,0	0	100	
	Enteroococos	3	3	100	UFC/100mL	0	---	0	0	0	100	
	Ferro	3	3	100	µg/L Fe	200	---	7e+01	<20,0	0	100	
	Manganês	3	3	100	µg/L Mn	50	---	<4,0	<4,0	0	100	
	Nitratos	3	3	100	mg/L NO ₃	50	25	6,1	3,3	0	100	
	CR2	Nítritos	3	3	100	mg/L NO ₂	0,1	---	<0,10	<0,10	0	100
Número total de Germes a 22°C		3	3	100	UFC/mL	SAA	100	0	0	0	100	
Número total de Germes a 37°C		3	3	100	UFC/mL	SAA	20	0	0	0	100	
Oxidabilidade		3	3	100	mg/L O ₂	5	---	3,2	1,6	0	100	
pH		3	3	100	Unidades de pH	≥ 6,5 e ≤ 9,5	---	7,6	7,6	0	100	
Sabor		3	3	100	Factor diluição	3	---	<1	<1	0	100	
Tribromatos Total		3	3	100	µg/L	100	---	49,6	25,6	0	100	
Bromoformio		3	3	100	µg/L	---	---	16,6	1,13	0	100	
Cloroformio		3	3	100	µg/L	---	---	12,0	3,18	0	100	
Bromodlorometano		3	3	100	µg/L	---	---	8,60	7,39	0	100	
Dibromoclorometano		3	3	100	µg/L	---	---	21,2	5,16	0	100	
Turvação		3	3	100	NTU	≤ 1	---	<0,20	<0,20	0	100	
1,2-diclorometano		0	0	---	µg/L	3	---	---	---	0	---	
C1		Alfa total	0	0	---	Bq/L	0,1	---	---	---	0	---
		Antimónio	0	0	---	µg/L Sb	5	---	---	---	0	---
	Arsénio	0	0	---	µg/L As	10	---	---	---	0	---	
	Betano	0	0	---	µg/L	1	---	---	---	0	---	
	Benzo(a)pireno	0	0	---	µg/L	0,01	---	---	---	0	---	
	Boro	0	0	---	mg/L B	1	---	---	---	0	---	
	Bromatos	0	0	---	µg/L BRO3	10	---	---	---	0	---	
	Cádmio	0	0	---	µg/L Cd	5	---	---	---	0	---	
	Cálcio	0	0	---	mg/L Ca	---	<100	---	---	0	---	
	Chumbo	0	0	---	µg/L Pb	10	---	---	---	0	---	
	Cianetos	0	0	---	µg/L CN	50	---	---	---	0	---	
	Cloratos	0	0	---	mg/L Cl ₂	250	---	---	---	0	---	
	Cobre	0	0	---	mg/L Cu	2,0	---	---	---	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 CaCO3	---	≥ 150 e ≤ 500	---	---	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	0,1	---	---	---	0	---	
	Benzo(k)fluoranteno	0	0	---	µg/L	0,1	---	---	---	0	---	
	Benzo(g,h,i)perileno	0	0	---	µg/L	0,1	---	---	---	0	---	
	Indeno(1,2,3-cd)pireno	0	0	---	µg/L	0,1	---	---	---	0	---	
	Magnésio	0	0	---	mg/L Mg	---	≤ 50	---	---	0	---	
	Mercurio	0	0	---	µg/L Hg	1	---	---	---	0	---	
	Níquel	0	0	---	µg/L Ni	20	---	---	---	0	---	
	Pesticidas totais	0	0	---	µg/L	0,5	---	---	---	0	---	
	Atacloro	0	0	---	µg/L	0,1	---	---	---	0	---	
	Bentazona	0	0	---	µg/L	0,1	---	---	---	0	---	
	Clorpirifos	0	0	---	µg/L	0,1	---	---	---	0	---	
	Dimetato	0	0	---	µg/L	0,1	---	---	---	0	---	
	Ornaotoato	0	0	---	µg/L	0,1	---	---	---	0	---	
	Diurão	0	0	---	µg/L	0,1	---	---	---	0	---	
	Imidaclopride	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	---	
	Metaxati / Metatoli-M	0	0	---	µg/L	0,1	---	---	---	0	---	
	Metolaciona	0	0	---	µg/L	0,1	---	---	---	0	---	
	Oxami	0	0	---	µg/L	0,1	---	---	---	0	---	
	Simazina	0	0	---	µg/L	0,1	---	---	---	0	---	
	Desetilsimazina	0	0	---	µg/L	0,1	---	---	---	0	---	
	Terbutilazina	0	0	---	µg/L	0,1	---	---	---	0	---	
	Desetilbutilazina	0	0	---	µg/L	0,1	---	---	---	0	---	
	Polonio-210	0	0	---	Bq/L	0,1	---	---	---	0	---	
	Rádão	0	0	---	Bq/L	500	---	---	---	0	---	
Selénio-226	0	0	---	Bq/L	0,5	---	---	---	0	---		
Selénio	0	0	---	µg/L Se	10	---	---	---	0	---		
Sódio	0	0	---	mg/L Na	200	---	---	---	0	---		
Sulfatos	0	0	---	mg/L SO ₄	250	---	---	---	0	---		
Tetraclorometano	0	0	---	µg/L	10	---	---	---	0	---		
Tricloroetileno	0	0	---	µg/L	10	---	---	---	0	---		
Urânio-234	0	0	---	Bq/L	2,0	---	---	---	0	---		
Urânio-238	0	0	---	Bq/L	3	---	---	---	0	---		
TOTAL		67	67									

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)
- e) A realizar apenas quando o resultado dos parâmetros "alfa total" > 0,1 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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