

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE							1º Trimestre 2022			
		Zona de Abastecimento: ZA2_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	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				Maximos	Minimos			
CR1	Bactérias coliformes	8	8	100	UFC/100ml	0	---	0	0	0	100	
	Cloro residual livre	8	8	100	mg/L Cl ₂	---	≥ 0,2 e ≤ 0,6	0,7	0,33	0	100	
	E. coli	8	8	100	UFC/100ml	0	---	0	0	0	100	
CR2	Alumínio	2	2	100	µg/L Al	200	---	29,2	18,2	0	100	
	Chumbo	2	2	100	Factor diluição	3	---	<1	<1	0	100	
	Clostridium perfringens (incluindo esporos)	2	2	100	UFC/100ml	0	---	0	0	0	100	
	Condutividade	2	2	100	µS/cm a 20°C	2500	---	326	129	0	100	
	Cor	2	2	100	mg/L PtCo	20	---	<3,0	<3,0	0	100	
	Entamoebas	2	2	100	UFC/100ml	0	---	0	0	0	100	
	Nitratos	2	2	100	mg/l NO ₃	50	25	4,8	3,8	0	100	
	Número total de Germes a 22°C	2	2	100	UFC/ml	SAA	100	1	0	0	100	
	Número total de Germes a 37°C	2	2	100	UFC/ml	SAA	20	0	0	0	100	
	pH	2	2	100	Unidades de pH	≥ 4,5 e ≤ 9,5	---	7,9	7,9	0	100	
	Sabor	2	2	100	Factor diluição	3	---	<1	<1	0	100	
	D	Turbidez	2	2	100	NTU	≤ 1	---	<0,20	<0,20	0	100
1,2-dicloroetano		0	0	---	µg/L	3	---	---	---	0	---	
D	Alfa total	0	0	---	Bq/L	0,1	---	---	---	0	---	
	Amónio	0	0	---	mg/L NH4	0,5	---	---	---	0	---	
	Antimónio	0	0	---	µg/L Sb	5	---	---	---	0	---	
	Ársénio	0	0	---	µg/L As	10	---	---	---	0	---	
	Bário	0	0	---	µg/L	1	---	---	---	0	---	
	Benzo(a)pireno	0	0	---	µg/L	0,01	---	---	---	0	---	
	Boro	0	0	---	mg/L B	1	---	---	---	0	---	
	Brometos	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	---	
	Cloreto	0	0	---	mg/L Cl	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	---	
	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(a)fluoranteno	0	0	---	µg/L	0,1	---	---	---	0	---	
	Benzo(g,h,i)perileno	0	0	---	µg/L	0,1	---	---	---	0	---	
	Benzo(k)fluoranteno	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	---	
	Manganés	0	0	---	µg/L Mn	50	---	---	---	0	---	
	Mercurio	0	0	---	µg/L Hg	1	---	---	---	0	---	
	Níquel	0	0	---	µg/L Ni	20	---	---	---	0	---	
	Nitrato	0	0	---	mg/L NO2	0,1	---	---	---	0	---	
	Oxalabilidade	0	0	---	mg/L O2	5	---	---	---	0	---	
	D	Paracetol total	0	0	---	µg/L	0,5	---	---	---	0	---
		Alecloro	0	0	---	µg/L	0,1	---	---	---	0	---
		Bentazona	0	0	---	µg/L	0,1	---	---	---	0	---
		Clorpirifos	0	0	---	µg/L	0,1	---	---	---	0	---
		Dimetoato	0	0	---	µg/L	0,1	---	---	---	0	---
		Omecloato	0	0	---	µg/L	0,1	---	---	---	0	---
		Dinuro	0	0	---	µg/L	0,1	---	---	---	0	---
		Imidaclopride	0	0	---	µg/L	0,1	---	---	---	0	---
		Isocoturilo	0	0	---	µg/L	0,1	---	---	---	0	---
		Linuro	0	0	---	µg/L	0,1	---	---	---	0	---
		MCPA	0	0	---	µg/L	0,1	---	---	---	0	---
		Metolavil / Metolol-M	0	0	---	µg/L	0,1	---	---	---	0	---
		Metololololol	0	0	---	µg/L	0,1	---	---	---	0	---
		Oxamil	0	0	---	µg/L	0,1	---	---	---	0	---
		Simazina	0	0	---	µg/L	0,1	---	---	---	0	---
		Desetilformazina	0	0	---	µg/L	0,1	---	---	---	0	---
		Terbuzazina	0	0	---	µg/L	0,1	---	---	---	0	---
Desetilterbutiazina		0	0	---	µg/L	0,1	---	---	---	0	---	
Pácloro-210		0	0	---	Bq/L	0,1	---	---	---	0	---	
Ractão		0	0	---	Bq/L	500	---	---	---	0	---	
Rádo-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 SO4	250	---	---	---	0	---	
Tetracloreto		0	0	---	µg/L	10	---	---	---	0	---	
Tricloroetileno		0	0	---	µg/L	10	---	---	---	0	---	
Tribalometanos Total		0	0	---	µg/L	100	---	---	---	0	---	
Bromoformio		0	0	---	µg/L	100	---	---	---	0	---	
Cloroformio		0	0	---	µg/L	100	---	---	---	0	---	
Bromodiorometano		0	0	---	µg/L	100	---	---	---	0	---	
Dibromodiorometano		0	0	---	µg/L	100	---	---	---	0	---	
Urânio-234		0	0	---	Bq/L	2,8	---	---	---	0	---	
Urânio-238	0	0	---	Bq/L	3	---	---	---	0	---		
TOTAL		48	48									

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 e incumprimentos	Medidas corretivas implementadas
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O Presidente do Conselho de Administração
Henrique Botelho Batista Antunes

O Diretor Delegado
Samuel Davis (eng)

O Técnico Responsável
Mário Reis (eng)