

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE								2º Trimestre		
		Zona de Abastecimento: ZA3_TC_2021								2021		
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	Bacterias 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	0,38	0,28	0	100	
	<i>E. coli</i>	3	3	100	UFC/100mL	0	---	0	0	0	100	
CR2	Alumínio	1	1	100	µg/L Al	200	---	27,2	27,2	0	100	
	Cheiro	1	1	100	Factor diluição	3	---	<1	<1	0	100	
	<i>Clostridium perfringens (incluindo esporos)</i>	1	1	100	UFC/100mL	0	---	0	0	0	100	
	Condutividade	1	1	100	µS/cm a 20°C	2500	---	141	141	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	
	Nitratos	1	1	100	mg/l NO ₃	50	25	3,0	3,0	0	100	
	Número total de Germes a 22°C	1	1	100	UFC/mL	SAA	100	Não detetado	Não detetado	0	100	
	Número total de Germes a 37°C	1	1	100	UFC/mL	SAA	20	Não detetado	Não detetado	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	---	0,22	0,22	0	100	
	CI	1,2-dicloroetano	0	0	---	µg/l	3	---	---	---	0	---
		Alfa total	0	0	---	Bq/L	0,1 Bq/L	---	---	---	0	---
Amónio		0	0	---	mg/ L NH4	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	0,01	---	---	---	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	---	
Cloretos		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 mSv/ano	---	---	---	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(b)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	---	
Manganês		0	0	---	µg/l Mn	50	---	---	---	0	---	
Mercurio		0	0	---	µg/l Hg	1	---	---	---	0	---	
Níquel		0	0	---	µg/l Ni	20	---	---	---	0	---	
Nitritos		0	0	---	mg/L NO2	0,1	---	---	---	0	---	
Oxidabilidade		0	0	---	mg/L O2	5	---	---	---	0	---	
Pesticidas totais		0	0	---	µg/l	0,5	---	---	---	0	---	
Alacloro		0	0	---	ng/ L	---	---	---	---	0	---	
Bentazona		0	0	---	µg/ L	---	---	---	---	0	---	
Clorpirifos		0	0	---	µg/ L	---	---	---	---	0	---	
Dimetoato		0	0	---	ng/ L	---	---	---	---	0	---	
Omeotoato		0	0	---	ug/L	---	---	---	---	0	---	
Diurão		0	0	---	µg/l	0,1	---	---	---	0	---	
Imidaclopride		0	0	---	µg/ L	0,1	---	---	---	0	---	
Isoproturão		0	0	---	ng/L	---	---	---	---	0	---	
Linurão		0	0	---	µg/l	0,1	---	---	---	0	---	
MCPA		0	0	---	µg/ L	0,1	---	---	---	0	---	
Metalaxil / Metalixil-M		0	0	---	µg/l	0,1	---	---	---	0	---	
Metolaclo		0	0	---	µg/l	0,1	---	---	---	0	---	
Oxamil		0	0	---	µg/ L	0,1	---	---	---	0	---	
Simazina		0	0	---	ug/ L	0,1	---	---	---	0	---	
Desetilsimazina		0	0	---	µg/l	0,1	---	---	---	0	---	
Terbutilazina		0	0	---	µg/l	0,1	---	---	---	0	---	
Desetilterbutilazina		0	0	---	µg/l	0,1	---	---	---	0	---	
Polónio-210		0	0	---	Bq/L	---	0,1	---	---	0	---	
Radão		0	0	---	Bq/L	500 Bq/L	---	---	---	0	---	
Rádio-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	---		
Tetracloroetano	0	0	---	µg/l	10	---	---	---	0	---		
Tricloroetileno	0	0	---	µg/l	10	---	---	---	0	---		
Trihalometanos Total	0	0	---	µg/l	100	---	---	---	0	---		
Bromofórmio	0	0	---	µg/l	100	---	---	---	0	---		
Clorofórmio	0	0	---	µg/l	100	---	---	---	0	---		
Bromodiclorometano	0	0	---	µg/l	100	---	---	---	0	---		
Dibromoclorometano	0	0	---	µg/l	100	---	---	---	0	---		
Urânio-234	0	0	---	Bq/L	---	2,8	---	---	0	---		
Urânio-238	0	0	---	Bq/L	---	3,0	---	---	0	---		
TOTAL		21	21									

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,

Henrique Bertino Batista Antunes

O Diretor Delegado,

Samuel Dinis (engº)

Técnico Responsável

Márcia Reis (engº)