

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE							1º Trimestre			
		Zona de Abastecimento: PE02_CASAL ARRUDA							2022			
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei n.º 152/2017, 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 Análises Previstas	Nº Amostras PCQA Realizadas	% de Análises Realizadas	Unidades	Valor Paramétrico (VP)	Valor Recomendado (indicador)	Resultados Obtidos		Nº amostras superiores ao VP	Análises que cumprem o VP (%)	
								Maximos	Minimos			
CR1	Bactérias coliformes	1	1	100	UFC/100mL	0	---	0	0	0	100	
	Cloro residual livre	1	1	100	mg/L Cl <sub>2</sub>	---	≥ 0,2 e ≤ 0,6	0,6	0,6	0	100	
	Fe <sup>2+</sup>	1	1	100	UFC/100mL	0	---	0	0	0	100	
	Nitretos	0	1	---	mg <sup>2</sup> NO <sub>3</sub>	50	25	8,7	8,7	0	100	
CR2	Alumínio	0	0	---	µg/L Al	200	---	---	---	0	---	
	Cheiro	0	0	---	Factor de diluição	3	---	---	---	0	---	
	Conductividade	0	0	---	µS/cm a 22°C	2500	---	---	---	0	---	
	Cou	0	0	---	mg/L P/Co	20	---	---	---	0	---	
	Campylobacter (incluindo esporas)	0	0	---	Nº/100mL	0	---	---	---	0	---	
	Enterococos	0	0	---	N/100 mL	0	---	---	---	0	---	
	Número total de Germes a 22°C	0	0	---	UFC/mL	SAA	100	---	---	0	---	
	Número total de Germes a 37°C	0	0	---	UFC/mL	SAA	20	---	---	0	---	
	pH	0	0	---	Unidades de pH	≥ 6,5 e ≤ 9,5	---	---	---	0	---	
	Sabor	0	0	---	Factor de diluição	3	---	---	---	0	---	
CR3	Turbidez	0	0	---	NTU	3	---	---	---	0	---	
	1,2-dicloroetano	0	0	---	µg/L	3	---	---	---	0	---	
	Alfa total	0	0	---	Bq/L	0,1	---	---	---	0	---	
	Acetilamida	0	0	---	µg/L	0,1	---	---	---	0	---	
	António	0	0	---	mg/L NH4	0,5	---	---	---	0	---	
	António	0	0	---	µg/L Sb	5	---	---	---	0	---	
	António	0	0	---	µg/L As	10	---	---	---	0	---	
	Benzano	0	0	---	µg/L	1	---	---	---	0	---	
	Benz(a)pireno	0	0	---	µg/L	0,01	---	---	---	0	---	
	Boro	0	0	---	mg/L B	1	---	---	---	0	---	
	Bromatos	0	0	---	µg/L BrO <sub>3</sub>	10	---	---	---	0	---	
	Cádmio	0	0	---	µg/L Cd	5	---	---	---	0	---	
	Cálcio	0	0	---	mg/L Ca	---	<100	---	---	0	---	
	Carbono orgânico total (COT)	0	0	---	mg/L	---	SAA	---	---	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	---	---	---	0	---	
	Dureza total	0	0	---	mg/L CaCO <sub>3</sub>	---	≥ 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	---	
	Benz(a)fluoranteno	0	0	---	µg/L	0,1	---	---	---	0	---	
	Benz(a)fluoranteno	0	0	---	µg/L	0,1	---	---	---	0	---	
	Benz(a)h. Japireno	0	0	---	µg/L	0,1	---	---	---	0	---	
	Indeno(1,2,3-c)pireno	0	0	---	µg/L	0,1	---	---	---	0	---	
	Benzo(a)pireno	0	0	---	µg/L	0,1	---	---	---	0	---	
	Manganes	0	0	---	mg/L Mn	50	---	---	---	0	---	
	Manganês	0	0	---	µg/L Mn	50	---	---	---	0	---	
	Níquel	0	0	---	µg/L Ni	20	---	---	---	0	---	
	Nitros	0	0	---	mg/L NO <sub>2</sub>	0,1	---	---	---	0	---	
	Rádão	0	0	---	Bq/L	500	---	---	---	0	---	
	Rádão-226	0	0	---	Bq/L	0,5	---	---	---	0	---	
	Pesticidas totais	0	0	---	µg/L	0,5	---	---	---	0	---	
	Aclato	0	0	---	µg/L	0,1	---	---	---	0	---	
	Benzazona	0	0	---	µg/L	0,1	---	---	---	0	---	
	Clorpirifos	0	0	---	µg/L	0,1	---	---	---	0	---	
	Dimetato	0	0	---	µg/L	0,1	---	---	---	0	---	
	Dimetato	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	---	
	Mistaxil / Metaxil-M	0	0	---	µg/L	0,1	---	---	---	0	---	
	Metalecloro / S-Metalecloro	0	0	---	µg/L	0,1	---	---	---	0	---	
	Osamil	0	0	---	µg/L	0,1	---	---	---	0	---	
	Simazina	0	0	---	µg/L	0,1	---	---	---	0	---	
	Dimetilmazina	0	0	---	µg/L	0,1	---	---	---	0	---	
	Terbutilazina	0	0	---	µg/L	0,1	---	---	---	0	---	
	Desetilbutilazina	0	0	---	µg/L	0,1	---	---	---	0	---	
	Polónio-210	0	0	---	Bq/L	0,1	---	---	---	0	---	
	Selénio	0	0	---	µg/L Se	10	---	---	---	0	---	
	Sódio	0	0	---	mg/L Na	200	---	---	---	0	---	
	Tetracionato	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	---	
	Bromodiorometano	0	0	---	µg/L	100	---	---	---	0	---	
	Dibromodiorometano	0	0	---	µg/L	100	---	---	---	0	---	
	Sulfato	0	0	---	mg/L SO <sub>4</sub>	250	---	---	---	0	---	
	Tricloroetano	0	0	---	µg/L	10	---	---	---	0	---	
	Urânio-234	0	0	---	Bq/L	2,8	---	---	---	0	---	
	Urânio-238	0	0	---	Bq/L	3	---	---	---	0	---	
	<b>TOTAL</b>		<b>3</b>	<b>4</b>								

**Legenda**  
 >A< 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" >0,10 Bq/L e "Dose Indicativa total" >0,1 mSv

Metodologia de investigação de causas relativas a incumprimentos	Causas relativas a incumprimentos	Medidas corretivas implementadas
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O Presidente do Conselho de Administração, O Diretor Geral, Técnico Responsável  
 Helena Beatriz Batista Antunes Samuel D. (eng) Nátalia Reis (eng)