

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO ENTIDADE GESTORA ABASTECIDA: Câmara Municipal de Óbidos							2º TRIMESTRE			
		PONTO DE ENTREGA: PE02_Casals da Arruda							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 Análises do PCQA			Resultados Obtidos		Unidades	Valor Paramétrico (VP)	Valor Recomendado (indicador)	Nº amostras superiores ao VP	Análises que cumprem o VP (%)	
		Previstas (nº)	Realizadas (nº)	Realizadas (%)	Máximos	Mínimos						
CR1	Bacterias coliformes	1	1	100	0	0	UFC/ 100 mL	0	---	0	100	
	Cloro residual livre	1	1	100	0,4	0,4	mg/L Cl <sub>2</sub>	---	≥ 0,6	---	100	
	<i>E. coli</i>	1	1	100	0	0	N/ 100 mL	0	---	0	100	
CR2	Nitratos	1	1	100	1,9	1,9	mg/ L NO <sub>3</sub>	50	---	0	100	
	Alumínio	1	1	100	25,9	25,9	µg/ L Al	200	---	0	100	
	Cheiro	1	1	100	<1	<1	Factor de diluição	3	---	0	100	
	Condutividade	1	1	100	162	162	µS/cm a 20°C	2500	---	0	100	
	Cor	1	1	100	<3,0	<3,0	mg/ L PtCo	20	---	0	100	
	<i>Clostridium perfringens</i> (incluindo esporos)	1	1	100	0	0	N/ 100 mL	0	---	0	100	
	Enterococos	1	1	100	0	0	N/ 100 mL	0	---	0	100	
	Número total de Germes a 22°C	1	1	100	0	0	UFC/ mL	SAA	100	0	100	
	Número total de Germes a 37°C	1	1	100	0	0	UFC/ mL	SAA	20	0	100	
	pH	1	1	100	7,7	7,7	Unidades de pH	≥ 6,5 e ≤ 9,5	---	0	100	
	Sabor	1	1	100	<1	<1	Factor de diluição	3	---	0	100	
	Turvação	1	1	100	0,21	0,21	NTU	≤ 1	---	0	100	
	CI	1,2-dicloroetano	0	0	---	---	---	µg/ L	3	---	---	---
		Acrilamida	0	0	---	---	---	µg/ L	0,1	---	---	---
		Amónio	0	0	---	---	---	mg/ L NH <sub>4</sub>	0,5	---	---	---
Antimónio		0	0	---	---	---	µg/ L Sb	5	---	---	---	
Arsénio		0	0	---	---	---	µg/ L As	10	---	---	---	
Benzeno		0	0	---	---	---	µg/ L	1	---	---	---	
Benzo(a)pireno		0	0	---	---	---	µg/ L	0,01	---	---	---	
Boro		0	0	---	---	---	mg/ L B	1	---	---	---	
Bromatos		0	0	---	---	---	µg/ L BrO <sub>3</sub>	10	---	---	---	
Cádmio		0	0	---	---	---	µg/ L Cd	5	---	---	---	
Cálcio		0	0	---	---	---	mg/ L Ca	---	<100	---	---	
Carbono orgânico total (COT)		0	0	---	---	---	mg/ L	---	SAA	---	---	
Chumbo		0	0	---	---	---	µg/ L Pb	10	---	---	---	
Cianetos		0	0	---	---	---	µg/ L CN	50	---	---	---	
Cloretos		0	0	---	---	---	mg/ L Cl	250	---	---	---	
Cobre		0	0	---	---	---	mg/ L Cu	2,0	---	---	---	
Crómio		0	0	---	---	---	µg/ L Cr	50	---	---	---	
Dureza total		0	0	---	---	---	mg/ L CaCO <sub>3</sub>	---	≥ 150 e ≤ 500	---	---	
Ferro		0	0	---	---	---	µg/ L Fe	200	---	---	---	
Fluoretos		0	0	---	---	---	mg/ L F	1,5	---	---	---	
Hydrocarbonetos Aromáticos Policíclicos (HAP)		0	0	---	---	---	µg/ L	0,1	---	---	---	
Benzo(b)fluoranteno		0	0	---	---	---	µg/ L	0,1	---	---	---	
Benzo(k)fluoranteno		0	0	---	---	---	µg/ L	0,1	---	---	---	
Benzo(g,h,i)perileno		0	0	---	---	---	µg/ L	0,1	---	---	---	
Indeno(1,2,3-cd)pireno		0	0	---	---	---	µg/ L	0,1	---	---	---	
Magnésio		0	0	---	---	---	mg/ L Mg	---	≤ 50	---	---	
Manganés		0	0	---	---	---	µg/ L Mn	50	---	---	---	
Mercurio		0	0	---	---	---	µg/ L Hg	1	---	---	---	
Níquel		0	0	---	---	---	µg/ L Ni	20	---	---	---	
Nitritos		0	0	---	---	---	mg/ L NO <sub>2</sub>	0,1	---	---	---	
Oxibilidade		0	0	---	---	---	mg/ L	5	---	---	---	
Pesticidas totais		0	0	---	---	---	µg/ L	0,5	---	---	---	
Alacloro		0	0	---	---	---	µg/ L	0,1	---	---	---	
Bentazona		1	1	---	---	---	µg/ L	0,1	---	---	---	
Clorpirifos		1	1	---	---	---	µg/ L	0,1	---	---	---	
Dimetoato		0	0	---	---	---	µg/ L	0,1	---	---	---	
Ornectoato		0	0	---	---	---	µg/ L	0,1	---	---	---	
Diurão		0	0	---	---	---	µg/ L	0,1	---	---	---	
Imidaclopride		1	1	---	---	---	µg/ L	0,1	---	---	---	
Isoproturão		0	0	---	---	---	µg/ L	0,1	---	---	---	
Linurão		0	0	---	---	---	µg/ L	0,1	---	---	---	
MCPA		0	0	---	---	---	µg/ L	0,1	---	---	---	
Metalaxil / Metalixil-M		0	0	---	---	---	µg/ L	0,1	---	---	---	
Metalacloro / S-Metalacloro		0	0	---	---	---	µg/ L	0,1	---	---	---	
Oxamil		0	0	---	---	---	µg/ L	0,1	---	---	---	
Simazina	0	0	---	---	---	µg/ L	0,1	---	---	---		
Dimetilsimazina	0	0	---	---	---	µg/ L	0,1	---	---	---		
Terbutilazina	0	0	---	---	---	µg/ L	0,1	---	---	---		
Desetilterbutilazina	0	0	---	---	---	µg/ L	0,1	---	---	---		
Selénio	0	0	---	---	---	µg/ L Se	10	---	---	---		
Sódio	0	0	---	---	---	mg/ L Na	200	---	---	---		
Tetracloroetano	0	0	---	---	---	µg/ L	10	---	---	---		
Trihalometanos Total	0	0	---	---	---	µg/ L	100	---	---	---		
Bromofórmio	0	0	---	---	---	µg/ L	100	---	---	---		
Clorofórmio	0	0	---	---	---	µg/ L	100	---	---	---		
Bromodiclorometano	0	0	---	---	---	µg/ L	100	---	---	---		
Dibromoclorometano	0	0	---	---	---	µg/ L	100	---	---	---		
Sulfatos	0	0	---	---	---	mg/ L SO <sub>4</sub>	250	---	---	---		
Tricloroetano	0	0	---	---	---	µg/ L	10	---	---	---		
Alfa total	0	0	---	---	---	Bq/ L	0,1	---	---	---		
Dose Indicativa total	0	0	---	---	---	mSv	0,1	---	---	---		
Radão	0	0	---	---	---	Bq/ L	500	---	---	---		
Rádio-226	0	0	---	---	---	Bq/ L	0,5	---	---	---		
Polónio-210	0	0	---	---	---	Bq/ L	0,1	---	---	---		
Urânio-234	0	0	---	---	---	Bq/ L	2,8	---	---	---		
Urânio-238	0	0	---	---	---	Bq/ L	3	---	---	---		
<b>TOTAL</b>		<b>18</b>	<b>18</b>	<b>100%</b>							<b>100%</b>	

**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:

O Presidente do Conselho de Administração, O Diretor Delegado, Técnico Responsável

Henrique Berlimo Batista Antunes Samuel Dias (engº) Mária Reis (engº)