

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO								4º Trimestre	
		ENTIDADE GESTORA ABASTECIDA Câmara Municipal de Óbidos									
		PONTO DE ENTREGA   PE01_Olho Marinho								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	Bactérias coliformes	2	2	100	UFC/100mL	0	---	0	0	0	100
	Cloro residual livre	2	3	150	mg/L Cl <sub>2</sub>	---	≥ 0,2 e ≤ 0,6	0,6	0,5	0	100
	E. coli	2	2	100	UFC/100mL	0	---	0	0	0	100
CR2	Chloro	1	1	100	Factor diluição	3	---	<1	<1	0	100
	Condutividade	1	2	200	µS/cm a 20°C	2500	---	1,12e+3	162	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	3	300	mg/L NO <sub>3</sub>	50	25	44,3	28,8	0	100
	Número total de Germes a 22°C	1	1	100	UFC/mL	SAA	100	14	14	0	100
	Número total de Germes a 37°C	1	1	100	UFC/mL	SAA	20	0	0	0	100
	pH	1	2	200	Unidades de pH	≥ 6,5 e ≤ 9,5	---	7,6	7,1	0	100
	Sabor	1	1	100	Factor diluição	3	---	<1	<1	0	100
	Turbidez	1	1	100	NTU	≤ 1	---	<0,20	<0,20	0	100
C1	1,2-dicloroetano	0	0	---	µg/L	3	---	---	---	0	---
	Alfa total	0	0	---	Bq/L	0,1 Bq/L	---	---	---	0	---
	Alumínio	0	0	---	µg/L Al	200	---	---	---	0	---
	Amónio	0	0	---	mg/L NH <sub>4</sub> <sup>+</sup>	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 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 C	---	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	---
	Clostridium perfringens (incluindo esporos)	0	0	---	N/100ml	0	---	---	---	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 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	---
	Hydrocarbonetos 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	---
	Manganés	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 NO <sub>2</sub>	0,1	---	---	---	0	---
	Radão	0	0	---	Bq/L	500 Bq/L	---	---	---	0	---
	Pesticidas totais	0	0	---	µg/L	0,5	---	---	---	0	---
	Alacloro	0	0	---	µg/L	---	---	---	---	0	---
	Bentazona	0	0	---	µg/L	---	---	---	---	0	---
	Clorpirifos	0	0	---	µg/L	---	---	---	---	0	---
	Dimetoato	0	0	---	µg/L	---	---	---	---	0	---
	Ormetoato	0	0	---	µg/L	---	---	---	---	0	---
	Diurão	0	0	---	µg/L	0,1	---	---	---	0	---
	Imidacloprid	0	0	---	µg/L	0,1	---	---	---	0	---
	Isoproturão	0	0	---	µg/L	---	---	---	---	0	---
	Linurão	0	0	---	µg/L	0,1	---	---	---	0	---
	MCPA	0	0	---	µg/L	0,1	---	---	---	0	---
Metaixidi / Metalixidi-M	0	0	---	µg/L	0,1	---	---	---	0	---	
Metalacloro / S-Metalacloro	0	0	---	µg/L	0,1	---	---	---	0	---	
Oxamili	0	0	---	µg/L	0,1	---	---	---	0	---	
Simazina	0	0	---	µg/L	0,1	---	---	---	0	---	
Dimetilsimazina	0	0	---	µg/L	0,1	---	---	---	0	---	
Terbutilazina	0	0	---	µg/L	0,1	---	---	---	0	---	
Desetilterbutilazina	0	0	---	µg/L	0,1	---	---	---	0	---	
Selénio	0	0	---	µg/L Se	10	---	---	---	0	---	
Sódio	0	0	---	mg/L Na	200	---	---	---	0	---	
Sulfatos	0	0	---	mg/L SO <sub>4</sub>	250	---	---	---	0	---	
Trihalometanos Total	0	1	---	µg/L	100	---	10,1	10,1	0	100	
Bromofórmio	0	1	---	µg/L	---	---	7,91	7,91	0	100	
Clorofórmio	0	1	---	µg/L	---	---	<0,10	<0,10	0	100	
Bromodiclorometano	0	1	---	µg/L	---	---	<0,10	<0,10	0	100	
Dibromoclorometano	0	1	---	µg/L	---	---	2,19	2,19	0	100	
Tetracloroetano	0	0	---	µg/L	10	---	---	---	0	---	
Tricloroetano	0	0	---	µg/L	10	---	---	---	0	---	
Polónio-210	0	0	---	Bq/L	---	0,1	---	---	0	---	
Rádio-226	0	0	---	Bq/L	---	0,5	---	---	0	---	
Urânio-234	0	0	---	Bq/L	---	2,8	---	---	0	---	
Urânio-238	0	0	---	Bq/L	---	---	---	---	0	---	
<b>TOTAL</b>		<b>16</b>	<b>26</b>							<b>0</b>	<b>---</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,  
 Henrique Ferreira Batista Antunes

O Diretor Delegado,  
 Samuel Dias (engº)

Técnico Responsável,  
 Mircia Reis (engº)