

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: <b>PENICHE</b>							1º TRIMESTRE		
		ZONA DE ABASTECIMENTO: <b>ZA3 - FERREL</b>							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 (%)	Maximos	Minimos					
CR1	Bactérias coliformes	3	3	100	0	0	UFC/ 100 mL	0	---	0	100
	Cloro residual livre	3	3	100	0,6	0,34	mg/ L Cl <sub>2</sub>	---	≥ 0,2 e ≤ 0,6	---	---
	<i>E. coli</i>	3	3	100	0	0	N/ 100 mL	0	---	0	100
CR2	Alumínio	1	1	100	14,7	14,7	µg/ L Al	200	---	0	100
	Cheiro	1	1	100	<1	<1	Factor de diluição	3	---	0	100
	<i>Clostridium perfringens</i> (incluindo esporos)	1	1	100	0	0	N/ 100 mL	0	---	0	100
	Condutividade	1	1	100	175	175	µS/cm a 20°C	2500	---	0	100
	Cor	1	1	100	<3,0	<3,0	mg/ L PtCo	20	---	0	100
	Enterococos	1	1	100	0	0	N/ 100 mL	0	---	0	100
	<i>Nilolus</i>	1	1	100	<1,0	<1,0	mg/ L HC <sub>2</sub>	50	---	0	100
	Número total de Germes a 22°C	1	1	100	5	5	UFC/ mL	SAA	100	---	---
	Número total de Germes a 37°C	1	1	100	1	1	UFC/ mL	SAA	20	---	---
	pH	1	1	100	7,9	7,9	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	<1	<1	NTU	≤ 1	---	0	100
	1,2-dicloroetano	0	0	---	---	---	µg/ L	3	---	---	---
	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	---	---	
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	---	---	---	
Ftuoretos	0	0	---	---	---	mg/ L F	1,5	---	---	---	
Hidrocarbonetos Aromáticos Policíclicos (HAP)	0	0	---	---	---	µg/ L	0,1	---	---	---	
Benzo(b)fluoranteno	0	0	---	---	---	µg/ L	0,1	---	---	---	
Benzo(g,h,i)perileno	0	0	---	---	---	µg/ L	0,1	---	---	---	
Benzo(k)fluoranteno	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	---	---	
Manganês	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	---	---	---	
Oxidabilidade	0	0	---	---	---	mg/ L O <sub>2</sub>	5	---	---	---	
Pesticidas totais	0	0	---	---	---	µg/ L	0,5	---	---	---	
Alacloro	0	0	---	---	---	µg/ L	0,1	---	---	---	
Bentazona	0	0	---	---	---	µg/ L	0,1	---	---	---	
Clorpirifos	0	0	---	---	---	µg/ L	0,1	---	---	---	
Dimetoato	0	0	---	---	---	µg/ L	0,1	---	---	---	
Omectoato	0	0	---	---	---	µg/ L	0,1	---	---	---	
Diurão	0	0	---	---	---	µg/ L	0,1	---	---	---	
Imidaclopride	0	0	---	---	---	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	---	---	---	
Polónio-210	0	0	---	---	---	Bq/ L	0,1	---	---	---	
Radão	0	0	---	---	---	Bq/ L	500	---	---	---	
Rádio-226	0	0	---	---	---	Bq/ L	0,5	---	---	---	
Selénio	0	0	---	---	---	µg/ L Se	10	---	---	---	
Sódio	0	0	---	---	---	mg/ L Na	200	---	---	---	
Sulfatos	0	0	---	---	---	mg/ L SO <sub>4</sub>	250	---	---	---	
Tetracloreto	0	0	---	---	---	µg/ L	10	---	---	---	
Tricloreto	0	0	---	---	---	µg/ L	10	---	---	---	
Trihalometanos Total	0	0	---	---	---	µg/ L	100	---	---	---	
Bromofórmio	0	0	---	---	---	µg/ L	100	---	---	---	
Clorofórmio	0	0	---	---	---	µg/ L	100	---	---	---	
Bromodichlorometano	0	0	---	---	---	µg/ L	100	---	---	---	
Dibromodichlorometano	0	0	---	---	---	µg/ L	100	---	---	---	
Alfa total	0	0	---	---	---	Bq/ L	0,1	---	---	---	
Dose Indicativa total	0	0	---	---	---	mSv	0,1	---	---	---	
Polónio-210	0	0	a)	---	---	Bq/ L	0,1	---	---	---	
Radão	0	0	a)	---	---	Bq/ L	500	---	---	---	
Rádio-226	0	0	a)	---	---	Bq/ L	0,5	---	---	---	
Urânio-234	0	0	a)	---	---	Bq/ L	2,8	---	---	---	
Urânio-238	0	0	a)	---	---	Bq/ L	3	---	---	---	
<b>TOTAL</b>		<b>21</b>	<b>21</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,

Henrique Tertino Batista Antunes

O Diretor Delegado,

Samuel Dinis (eng.º)

Técnico Responsável

Márcia Reis (eng.º)