

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE							1º TRIMESTRE		
		ZONA DE ABASTECIMENTO: ZA4 - ETA SÃO DOMINGOS/ MISTURA							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	N.º Análises do PCQA			Resultados Obtidos		Unidades	Valor Paramétrico (VP)	Valor Recomendado (indicador)	N.º amostras superiores ao VP	Análises que cumprem o VP (%)
		Previstas (nº)	Realizadas (nº)	Realizadas (%)	Maximos	Minimos					
CR1	Bacterias coliformes	6	6	100	0	0	UFC/ 100 mL	0	---	0	100
	Cloro residual livre	6	6	100	0,6	0,37	mg/ L Cl ₂	---	≥ 0,2 e ≤ 0,6	---	---
CR2	<i>E. coli</i>	6	6	100	0	0	N/ 100 mL	0	---	0	100
	Alumínio	3	3	100	34,1	26	µg/ L Al	200	---	0	100
	Amónio	3	3	100	<0,05	<0,05	mg/ L NH ₄	0,5	---	0	100
	Cheiro	3	3	100	<1	<1	Factor de diluição	3	3	0	100
	<i>Clostridium perfringens</i> (incluindo esporos)	3	3	100	0	0	N/ 100 mL	0	---	0	100
	Condutividade	3	3	100	157	136	µS/cm a 20°C	2500	---	0	100
	Carbono orgânico total (COT)	3	3	100	1,22	0,87	mg/ L	---	SAA	---	---
	Cor	3	3	100	<3,0	<3,0	mg/ L PtCo	20	---	0	100
	Ferro	3	3	100	<60	<60	µg/ L Fe	200	---	0	100
	Manganês	3	3	100	0,74	0,64	µg/ L Mn	50	---	0	100
	Nitratos	3	3	100	2,7	< 1,0	mg/ L NO ₃	50	---	0	100
	Nitritos	3	3	100	<0,10	<0,10	mg/ L NO ₂	0,1	---	0	100
	Número total de Germes a 22°C	3	3	100	ND	ND	UFC/ mL	SAA	100	---	---
	Número total de Germes a 37°C	3	3	100	ND	ND	UFC/mL	SAA	20	---	---
	Oxidabilidade	3	3	100	2,3	<1,0	mg/ L O ₂	5	---	0	100
	pH	3	3	100	8,2	7,9	Unidades de pH	≥ 6,5 e ≤ 9,5	---	0	100
	Sabor	3	3	100	<1	<1	Factor de diluição	3	---	0	100
	Trihalometanos Total	3	3	100	49,4	38,1	µg/ L	100	---	0	100
	Bromofórmio	3	3	100	0,52	0,22	µg/ L	100	---	0	100
	Clorofórmio	3	3	100	32,6	23,2	µg/ L	100	---	0	100
Bromodiclorometano	3	3	100	12,7	10,1	µg/ L	100	---	0	100	
Dibromoclorometano	3	3	100	4,25	3,76	µg/ L	100	---	0	100	
Turvação	3	3	100	<1,0	<1,0	NTU	≤ 1	---	0	100	
CI	1,2 dicloroetano	0	0	---	---	---	µg/ L	3	---	---	---
	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 ₃	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 ₃	---	≥ 150 e ≤ 500	---	---
	Fluoretos	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(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	---	---
	Mercúrio	0	0	---	---	---	µg/ L Hg	1	---	---	---
	Níquel	0	0	---	---	---	µg/ L Ni	20	---	---	---
	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	---	---	---
	Omeotoato	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	---	---	---	
Selénio	0	0	---	---	---	µg/ L Se	10	---	---	---	
Sódio	0	0	---	---	---	mg/ L Na	200	---	---	---	
Sulfatos	0	0	---	---	---	mg/ L SO ₄	250	---	---	---	
Tetracloroetano	0	0	---	---	---	µg/ L	10	---	---	---	
Tricloroetileno	0	0	---	---	---	µg/ L	10	---	---	---	
Tricloroetano	0	0	---	---	---	µg/ L	10	---	---	---	
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	---	---	---	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	---	---	---	
TOTAL		87	87	100%							100%

Legenda

- >/ < Valor superior ou inferior ao Limite de Quantificação
- SAA Sem alteração anormal
- Abc Valor superior ao limite permitido por lei (valor paramétrico)
- Ab+ 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 Ferrinho Batista Antunes

O Diretor Delegado,

Samuel Davis (engº)

Técnico Responsável

Marcia Reis (engº)