

SERVIÇOS MUNICIPALIZADOS DE PENICHE	DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANA NO CONCELHO DE PENICHE								2º Trimestre	
	Zona de Abastecimento: PE01_OLHO MARINHO								2022	

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	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
	E. coli	1	1	100	UFC/100mL	0	---	0	0	0	100
	Nitratos	1	1	100	mg/L NO <sub>3</sub>	50	25	25,6	25,6	0	100
CR2	Cheiro	0	0	---	Factor de diluição	3	---	---	---	0	---
	Condutividade	0	0	---	µS/ cm a 20°C	2500	---	---	---	0	---
	Cor	0	0	---	mg/ L PtCo	20	---	---	---	0	---
	Enterococos	0	0	---	N/100 mL	0	---	---	---	0	---
	Numero total de Germes a 22°C	0	0	---	UFC/ mL	SAA	100	---	---	0	---
	Numero 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	---
	Turbidez	0	0	---	NTU	≤ 1	---	---	---	0	---
	1,2-dicloroetano	0	0	---	µg/ L	3	---	---	---	0	---
	Alfa total	0	0	---	Bq/ L	0,1	---	---	---	0	---
	Alumínio	0	0	---	µg/ L Al	200	---	---	---	0	---
	Amónio	0	0	---	mg/ L NH <sub>4</sub>	0,5	---	---	---	0	---
	Antimónio	0	0	---	µg/ L Sb	5	---	---	---	0	---
	Ársénio	0	0	---	µg/ L As	10	---	---	---	0	---
	C1	Benzeno	0	0	---	µg/ L	1	---	---	---	0
Benzol(a)pireno		0	0	---	µg/ L	0,01	---	---	---	0	---
Boro		0	0	---	mg/ L B	1	---	---	---	0	---
Bromatos		0	0	---	µg/ L BrO <sub>2</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	---
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	---	---	---	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	---
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	---
Rádio		0	0	---	Bq/ L	500	---	---	---	0	---
Rádio-226		0	0	---	Bq/ L	0,5	---	---	---	0	---
Pesticidas totais		0	0	---	µg/ L	0,5	---	---	---	0	---
Atacloro		1	1	100	µg/ L	0,1	---	<0,030	<0,030	0	100
Bentazona		1	1	100	µg/ L	0,1	---	<0,030	<0,030	0	100
Clorpirifos		0	0	---	µg/ L	---	---	---	---	0	---
Dimetato		0	0	---	µg/ L	---	---	---	---	0	---
Ometoato		0	0	---	µg/ L	---	---	---	---	0	---
Diurão		0	0	---	µg/ L	0,1	---	---	---	0	---
Imidaclopride	0	0	---	µg/ L	0,1	---	---	---	0	---	
Isoproturão	1	1	100	µg/ L	0,1	---	<0,030	<0,030	0	100	
Linurão	1	1	100	µg/ L	0,10	---	<0,030	<0,030	0	100	
MCPA	0	0	---	µg/ L	0,1	---	---	---	0	---	
Metaxil / Metalixil-M	1	1	100	µg/ L	0,1	---	<0,030	<0,030	0	100	
Metacloro / S-Metacloro	0	0	---	µg/ L	0,1	---	---	---	0	---	
Oxamí	0	0	---	µg/ L	0,1	---	---	---	0	---	
Simazina	1	1	100	µg/ L	0,1	---	<0,030	<0,030	0	100	
Dimetilsimazina	0	0	---	µg/ L	0,1	---	---	---	0	---	
Terbutilazina	0	0	---	µg/ L	0,1	---	---	---	0	---	
Desetilterbutilazina	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	---	
Tetracloreto	0	0	---	µg/ L	10	---	---	---	0	---	
Trihalometanos Total	0	0	---	µg/ L	100	---	---	---	0	---	
Bromofórmio	0	0	---	µg/ L	100	---	---	---	0	---	
Cloroformo	0	0	---	µg/ L	100	---	---	---	0	---	
Bromodiclorometano	0	0	---	µg/ L	100	---	---	---	0	---	
Dibromodiclorometano	0	0	---	µg/ L	100	---	---	---	0	---	
Sulfatos	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	---	
Benzo(b)fluoranteno	0	0	---	µg/ L	0,1	---	---	---	0	---	
Benzo(k)fluoranteno	0	0	---	µg/ L	0,1	---	---	---	0	---	
Benzo(a,h,i)perileno	0	0	---	µg/ L	0,1	---	---	---	0	---	
Indeno(1,2,3-cd)pireno	0	0	---	µg/ L	0,1	---	---	---	0	---	
Oxidabilidade	0	0	---	mg/ L O <sub>2</sub>	5	---	---	---	0	---	
<b>TOTAL</b>		<b>10</b>	<b>10</b>	<b>100</b>						<b>100</b>	

**Legenda**

- >< Valor superior ou inferior ao Limite de Quantificação
- SAA Sem alteração anómala
- 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
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O Presidente do Conselho de Administração, O Diretor Delegado, Técnico Responsável

Henrique Bettina Batista Antunes Samuel Dinis (eng.º) Mária Reis (eng.º)