

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE								2º Trimestre	
		Zona de Abastecimento: ZA2_TC_2023								2023	
Em conformidade com o Decreto-Lei n.º 69/2023, de 21 de agosto, 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	9	9	100	UFC/100mL	0	---	0	0	0	100
	Cloro residual livre	9	9	100	mg/L	---	≥ 0,2 e ≤ 0,6	0,6	0,35	0	100
	E. coli	9	9	100	UFC/100mL	0	---	0	0	0	100
	Alumínio	3	3	100	µg/L	200	---	28,7	17,5	0	100
	Cheiro	3	3	100	Factor diluição	3	---	<1	<1	0	100
CR2	Clostridium perfringens (incluindo esporos)	3	3	100	UFC/100mL	0	---	0	0	0	100
	Condutividade	3	3	100	µS/cm a 20°C	2500	---	294	170	0	100
	Cor	3	3	100	mg/L PtCo	20	---	3,3	<3,0	0	100
	Enterococos	3	3	100	UFC/100mL	0	---	0	0	0	100
	Nitratos	3	3	100	mg/L	50	25	30,7	<1,0	0	100
	Número total de Germes a 22°C	3	3	100	UFC/mL	SAA	100	0	0	0	100
	Número total de Germes a 37°C	3	3	100	UFC/mL	SAA	20	11	0	0	100
	pH	3	3	100	Unidades de pH	≥ 6,5 e ≤ 9,5	---	7,9	7,7	0	100
	Sabor	3	3	100	Factor diluição	3	---	<1	<1	0	100
	Turbidez	3	3	100	NTU	≤ 1	---	<0,20	<0,20	0	100
CI	Amónio	0	0	---	mg/L	0,5	---	---	---	0	---
	Carbono orgânico total (COT)	0	0	---	mg/L	---	SAA	---	---	0	---
	Ferro	0	0	---	mg/L	200	---	---	---	0	---
	Manganês	0	0	---	µg/L	50	---	---	---	0	---
	Nitritos	0	0	---	mg/L	0,1	---	---	---	0	---
	Oxidabilidade	0	0	---	mg/L	5	---	---	---	0	---
	Trihalometanos Total	0	0	---	µg/L	100	---	---	---	0	---
	Bromofórmio	0	0	---	µg/L	100	---	---	---	0	---
	Dibromoclorometano	0	0	---	µg/L	100	---	---	---	0	---
	Bromodiclorometano	0	0	---	µg/L	100	---	---	---	0	---
	1,2-dicloroetano	0	0	---	µg/L	3	---	---	---	0	---
	Alfa total	0	0	---	Bq/L	0,1	---	---	---	0	---
	Antimônio	0	0	---	µg/L	5	---	---	---	0	---
	Arsénio	0	0	---	µg/L	10	---	---	---	0	---
	Benzeno	0	0	---	µg/L	1	---	---	---	0	---
	Benzo(a)pireno	0	0	---	µg/L	0,01	---	---	---	0	---
	Boro	0	0	---	mg/L	1	---	---	---	0	---
	Bromatos	0	0	---	µg/L	10	---	---	---	0	---
	Cádmio	0	0	---	µg/L	5	---	---	---	0	---
	Cálcio	0	0	---	mg/L	---	<100	---	---	0	---
	Chumbo	0	0	---	µg/L	10	---	---	---	0	---
	Cianetos	0	0	---	µg/L	50	---	---	---	0	---
	Cloretos	0	0	---	mg/L	250	---	---	---	0	---
	Cobre	0	0	---	mg/L	2,0	---	---	---	0	---
	Crómio	0	0	---	µg/L	50	---	---	---	0	---
	Dose Indicativa total	0	0	---	mSv/ano	0,1	---	---	---	0	---
	Dureza total	0	0	---	mg/L	---	≥ 250 e ≤ 500	---	---	0	---
	Fluoretos	0	0	---	mg/L	1,5	---	---	---	0	---
	Hidrocarbonetos 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	---	≤ 50	---	---	0	---
	Mercurio	0	0	---	µg/L	1	---	---	---	0	---
	Níquel	0	0	---	µg/L	20	---	---	---	0	---
	Pesticidas totais	0	0	---	µg/L	0,5	---	---	---	0	---
	Alacloro	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	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100
Dimetoato	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100	
Ometoato	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100	
Diurão	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100	
Imidacloprida	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100	
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	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100	
Metaxil / Metalixil-M	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100	
Metolaclo	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100	
Oxamil	1	1	100	µg/L	0,1	---	<0,050	<0,050	0	100	
Simezina	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100	
Desetilsimezina	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100	
Terbutilazina	1	1	100	µg/L	0,10	---	<0,030	<0,030	0	100	
Desetilterbutilazina	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100	
Dimetienamida-P	0	0	---	µg/L	0,1	---	---	---	0	---	
Metribuzina	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100	
Polonio-210	0	0	---	Bq/L	0,1	---	---	---	0	---	
Radão	0	0	---	Bq/L	500	---	---	---	0	---	
Radio-226	0	0	---	Bq/L	0,5	---	---	---	0	---	
Selénio	0	0	---	µg/L	10	---	---	---	0	---	
Sódio	0	0	---	mg/L	200	---	---	---	0	---	
Sulfatos	0	0	---	mg/L	250	---	---	---	0	---	
Tetracloreto e Tricloreto	0	0	---	µg/L	0,5	---	---	---	0	---	
Urânio-234	0	0	---	Bq/L	2,8	---	---	---	0	---	
TOTAL		81	81	---						0	---

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:
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O Presidente do Conselho de Administração,

Henrique Bettina Batista Antunes

O Diretor Delegado,

Samuel D'Alis (engº)

Técnico Responsável

Marcia Reis (engº)