

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE							2º Trimestre		
		Zona de Abastecimento: ZA4_TC_2024							2024		
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	6	6	100	UFC/100mL	0	---	0	0	0	100
	Cloro residual livre	6	6	100	mg/L Cl ₂	---	≥ 0,2 e ≤ 0,6	0,5	0,20	0	100
	E. coli	6	6	100	UFC/100mL	0	---	0	0	0	100
	Alumínio	3	3	100	µg/L Al	200	---	54	29,0	0	100
	Amónio	3	3	100	mg/L NH ₄ ⁺	0,50	---	<0,05	<0,05	0	100
	Cheiro	3	3	100	Factor diluição	3	---	<1	<1	0	100
	Clostridium perfringens (incluindo esporos)	3	3	100	UFC/100mL	0	---	0	0	0	100
	Condutividade	3	3	100	µS/cm a 20°C	2500	---	710	684	0	100
	Carbono orgânico total (COT)	3	3	100	mg/L C	SAA	---	2,45	2,09	0	100
	Cor	3	3	100	mg/L PtCo	20	---	<3,0	<3,0	0	100
CR2	Enterococos intestinais	3	3	100	UFC/100mL	0	---	0	0	0	100
	Ferro	3	3	100	µg/L Fe	200	---	<20,0	<20,0	0	100
	Manganês	3	3	100	µg/L Mn	50	---	5,7	4,0	0	100
	Nitratos	3	3	100	mg/L NO ₃	50	25	4,8	2,1	0	100
	Nitritos	3	3	100	mg/L NO ₂	0,1	---	<0,10	<0,10	0	100
	Número de colónias a 22°C	3	3	100	UFC/mL	SAA	100	5	0	0	100
	Oxidabilidade	3	3	100	mg/L O ₂	5	---	1,9	1,3	0	100
	pH	3	3	100	Unidades de pH	≥ 6,5 e ≤ 8,5	---	7,9	7,7	0	100
	Sabor	3	3	100	Factor diluição	3	---	<1	<1	0	100
	Trihalometanos total (THM)	3	3	100	µg/L	100	---	83,6	71,9	0	100
C1	Bromofórmio	3	3	100	µg/L	---	---	38,7	25,9	0	100
	Clorofórmio	3	3	100	µg/L	---	---	4,43	2,32	0	100
	Dibromodimetano	3	3	100	µg/L	---	---	33,7	28,0	0	100
	Bromodiclorometano	3	3	100	µg/L	---	---	12,5	8,89	0	100
	Turvação	3	3	100	NTU	≤ 1	---	0,25	<0,20	0	100
	Cheiro	0	0	---	Factor de diluição	3	---	---	---	0	---
	1,2-dicloroetano	0	0	---	µg/L	3	---	---	---	0	---
	Alfa total	0	0	---	Bq/L	0,1	---	---	---	0	---
	Antimónio	0	0	---	µg/L Sb	5	---	---	---	0	---
	Arsénio	0	0	---	µg/L As	10	---	---	---	0	---
C1	Benzeno	0	0	---	µg/L	1	---	---	---	0	---
	Benzo(a)pireno	0	0	---	µg/L	---	---	---	---	0	---
	Boro	0	0	---	mg/L B	1	---	---	---	0	---
	Bromatos	0	0	---	µg/L BrO ₃	10	---	---	---	0	---
	Cádmio	0	0	---	µg/L Cd	5	---	---	---	0	---
	Cálcio	0	0	---	mg/L Ca	---	<100	---	---	0	---
	Chumbo	0	0	---	µg/L Pb	10	---	---	---	0	---
	Cianetos	0	0	---	µg/L CN	50	---	---	---	0	---
	Cloratos	0	0	---	mg/L	0,7	---	---	---	0	---
	Cloreto	0	0	---	mg/L Cl	250	---	---	---	0	---
C1	Cloritos	0	0	---	mg/L	0,7	---	---	---	0	---
	Cobre	0	0	---	mg/L Cu	2	---	---	---	0	---
	Cromo	0	0	---	µg/L Cr	50	---	---	---	0	---
	Dose Indicativa total	0	0	---	mSv/ano	0,1	---	---	---	0	---
	Dureza total	0	0	---	mg/L CaCO ₃	---	≥ 150 e ≤ 500	---	---	0	---
	Fluoretos	0	0	---	mg/L F	1,5	---	---	---	0	---
	Hidrocarbonetos aromáticos policíclicos (HAP)	0	0	---	µg/L	0,1	---	---	---	0	---
	Benzo(b)fluoranteno	0	0	---	µg/L	---	---	---	---	0	---
	Benzo(k)fluoranteno	0	0	---	µg/L	---	---	---	---	0	---
	Benzo(g,h,i)perileno	0	0	---	µg/L	---	---	---	---	0	---
C1	Indeno(1,2,3-cd)pireno	0	0	---	µg/L	---	---	---	---	0	---
	Magnésio	0	0	---	mg/L Mg	---	≤ 50	---	---	0	---
	Mercurio	0	0	---	µg/L Hg	1	---	---	---	0	---
	Níquel	0	0	---	µg/L Ni	20	---	---	---	0	---
	Pesticidas totais	0	0	---	µg/L	0,5	---	---	---	0	---
	Alacloro	0	0	---	µg/L	0,1	---	---	---	0	---
	Bentazona	0	0	---	µg/L	0,1	---	---	---	0	---
	Clorpirifos	0	0	---	µg/L	0,1	---	---	---	0	---
	Dimetomazida-P	0	0	---	µg/L	0,1	---	---	---	0	---
	M656PH051	0	0	---	µg/L	0,1	---	---	---	0	---
C1	Dimetato	0	0	---	µg/L	0,1	---	---	---	0	---
	Ometato	0	0	---	µg/L	0,1	---	---	---	0	---
	Diurão	0	0	---	µg/L	0,1	---	---	---	0	---
	Imidaclopride	0	0	---	µg/L	0,1	---	---	---	0	---
	Isoproturão	0	0	---	µg/L	0,1	---	---	---	0	---
	Linurão	0	0	---	µg/L	0,1	---	---	---	0	---
	MCPA	0	0	---	µg/L	0,1	---	---	---	0	---
	Metalaxil / Metalixil-M	0	0	---	µg/L	0,1	---	---	---	0	---
	Metolaclo	0	0	---	µg/L	0,1	---	---	---	0	---
	Metribuzina	0	0	---	µg/L	0,1	---	---	---	0	---
C1	Oxamit	0	0	---	µg/L	0,1	---	---	---	0	---
	Simazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Desetilsimazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Terbutilazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Desetilterbutilazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Glifosato	0	0	---	µg/L	0,1	---	---	---	0	---
	AMPA	0	0	---	µg/L	0,1	---	---	---	0	---
	Polónio-210	0	0	---	Bq/L	0,1	---	---	---	0	---
	Plutásio	0	0	---	mg/L	SAA	---	---	---	0	---
	Radão	0	0	---	Bq/L	500	---	---	---	0	---
C1	Rádio-226	0	0	---	Bq/L	0,5	---	---	---	0	---
	Selénio	0	0	---	µg/L Se	10	---	---	---	0	---
	Sódio	0	0	---	mg/L Na	200	---	---	---	0	---
	Sulfatos	0	0	---	mg/L SO ₄	250	---	---	---	0	---
	Tetracloreto e Tricloreto	0	0	---	µg/L	10	---	---	---	0	---
	Urânio-234	0	0	---	Bq/L	2,8	---	---	---	0	---
Urânio-238	0	0	---	Bq/L	3	---	---	---	0	---	
TOTAL		84	84								

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:

O Presidente do Conselho de Administração,

Henrique Bernardo Batista Antunes

O Diretor Delegado,

Samuel Reis (engº)

Técnico Responsável,

Márcia Reis (engº)