



SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE							1º Trimestre		
		Zona de Abastecimento: PE01_OLHO MARINHO_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	2	2	---	UFC/100mL	6	---	0	0	0	100
	Cloro residual livre	2	2	---	mg/L Cl ₂	---	≥ 0,2 e ≤ 0,6	0,6	<0,16	0	100
	E. coli	2	2	---	UFC/100mL	6	---	0	0	0	100
CR2	Cheiro	1	1	---	Factor de diluição	3	---	<1	<1	0	100
	Condutividade	1	2	---	µS/cm a 25°C	2500	---	566	240	0	100
	Cor	1	1	---	mg/L PtCo	20	---	<3,0	<3,0	0	100
	Enterococos intestinais	1	1	---	UFC/100mL	6	---	0	0	0	100
	Nitratos	1	2	---	mg/L NO ₃	50	25	17,3	16,9	0	100
	Número de colónias a 22°C	1	1	---	SAA	100	---	0	0	0	100
	pH	1	2	---	Unidades de pH	≥ 6,5 e ≤ 9,5	---	7,6	7,2	0	100
	Sabor	1	1	---	Factor diluição	3	---	<1	<1	0	100
	Turvação	1	1	---	NTU	≤ 1	---	<0,20	<0,20	0	100
	1,2-dicloroetano	0	0	---	µg/L	3	---	---	---	0	---
CI	Alfa total	0	0	---	Bq/L	0,1	---	---	---	0	---
	Alumínio	0	0	---	µg/L	200	---	---	---	0	---
	Amónio	0	0	---	mg/L NH4	0,5	---	---	---	0	---
	Antimónio	0	0	---	µg/L Sb	5	---	---	---	0	---
	Arsénio	0	0	---	µg/L As	10	---	---	---	0	---
	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 BrO3	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	---
	Cloratos	0	0	---	mg/L	0,7	---	---	---	0	---
	Cloratos	0	0	---	mg/L Cl	250	---	---	---	0	---
	Cloritos	0	0	---	mg/L	0,7	---	---	---	0	---
	Clostridium perfringens (incluindo esporos)	0	0	---	UFC/100mL	6	---	---	---	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 CaCO3	---	≥ 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	---
	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	---
	Indeno(1,2,3-cd)pireno	0	0	---	µg/L	---	---	---	---	0	---
	Magnésio	0	0	---	mg/L Mg	---	≤ 50	---	---	0	---
	Manganês	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 NO2	0,1	---	---	---	0	---
	Oxidabilidade	0	0	---	mg/L O2	5	---	---	---	0	---
	Rádão	0	0	---	Bq/L	500	---	---	---	0	---
	Rádão-226	0	0	---	Bq/L	0,5	---	---	---	0	---
	Pesticidas totais	0	0	---	µg/L	0,5	---	---	---	0	---
	Alacloro	0	0	---	µg/L	0,1	---	---	---	0	---
	Benflazona	0	0	---	µg/L	0,1	---	---	---	0	---
	Clorpirifos	0	0	---	µg/L	0,1	---	---	---	0	---
	Dimetienamida-F	0	0	---	µg/L	0,1	---	---	---	0	---
	M656PH051	0	0	---	µg/L	0,1	---	---	---	0	---
	Dimetato	0	0	---	µg/L	0,1	---	---	---	0	---
	Ormetoato	0	0	---	µg/L	0,1	---	---	---	0	---
	Diurão	0	0	---	µg/L	0,1	---	---	---	0	---
	Imidaclopride	0	0	---	µg/L	0,1	---	---	---	0	---
	Isoptroturão	0	0	---	µg/L	0,1	---	---	---	0	---
	Linurão	0	0	---	µg/L	0,1	---	---	---	0	---
	MCPA	0	0	---	µg/L	0,1	---	---	---	0	---
	Metalaxil / Metalaxil-M	0	0	---	µg/L	0,1	---	---	---	0	---
	Metolaclo	0	0	---	µg/L	0,1	---	---	---	0	---
	Metribuzina	0	0	---	µg/L	0,1	---	---	---	0	---
	Oxamyl	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	---
	Desetimetbutilazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Polónio-210	0	0	---	Bq/L	0,1	---	---	---	0	---
	Potássio	0	0	---	mg/L	SAA	---	---	---	0	---
	Selénio	0	0	---	µg/L Se	10	---	---	---	0	---
	Sódio	0	0	---	mg/L Na	200	---	---	---	0	---
	Tetracloreto e Tricloreto	0	0	---	µg/L	10	---	---	---	0	---
	Trihalometanos totais (THM)	0	0	---	µg/L	100	---	---	---	0	---
	Bromofórmio	0	0	---	µg/L	---	---	---	---	0	---
	Bromodifluorometano	0	0	---	µg/L	---	---	---	---	0	---
	Clorofórmio	0	0	---	µg/L	---	---	---	---	0	---
	Dibromoclorometano	0	0	---	µg/L	---	---	---	---	0	---
	Sulfatos	0	0	---	mg/L SO4	250	---	---	---	0	---
	Urânio-234	0	0	---	Bq/L	2,8	---	---	---	0	---
	Urânio-238	0	0	---	Bq/L	3	---	---	---	0	---
TOTAL		15	16								

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 Bertino Batista Antunes

O Diretor Delegado,

Samuel Lima (eng.º)

Técnico Responsável,

Mário Reis (eng.º)