

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE								3º Trimestre	
		Zona de Abastecimento: PE01_OLHO MARINHO_2023								2023	
Em conformidade com o Decreto-Lei n.º 69/2023, de 21 de agosto, procedeu-se à verificação da qualidade da água nos pontos de entrega, através de análises periódicas, 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	---	≥ 0,2 e ≤ 0,6	1,0	1,0	0	100
	E. coli	1	1	100	UFC/100mL	0	---	0	0	0	100
	Nitratos	1	1	100	mg/l	50	25	11,7	11,7	0	100
CR2	Cheiro	1	1	100	Factor diluição	3	---	<1	<1	0	100
	Condutividade	1	1	100	µS/cm a 20°C	2500	---	1010	1010	0	100
	Cor	1	1	100	mg/L PtCo	20	---	<3,0	<3,0	0	100
	Enterococos	1	1	100	UFC/100mL	0	---	0	0	0	100
	Número total de Germes a 22°C	1	1	100	UFC/mL	SAA	100	0	0	0	100
	Número total de Germes a 37°C	1	1	100	UFC/mL	SAA	20	0	0	0	100
	pH	1	1	100	Unidades de pH	≥ 6,5 e ≤ 9,5	---	7,1	7,1	0	100
	Sabor	1	1	100	Factor diluição	3	---	<1	<1	0	100
	Turbvação	1	1	100	NTU	≤ 1	---	<0,20	<0,20	0	100
CI	1,2-dicloroetano	0	0	---	µg/L	3	---	---	---	---	---
	Alfa total	0	0	---	Bq/L	0,1	---	---	---	---	---
	Alumínio	0	0	---	µg/L	200	---	---	---	---	---
	Amónio	0	0	---	mg/L	0,5	---	---	---	---	---
	Antimónio	0	0	---	µg/L	5	---	---	---	---	---
	Arsénio	0	0	---	µg/L	10	---	---	---	---	---
	Benzeno	0	0	---	µg/L	1	---	---	---	---	---
	Benz(a)pireno	0	0	---	µg/L	0,01	---	---	---	---	---
	Boro	0	0	---	mg/L	1	---	---	---	---	---
	Bromatos	0	0	---	µg/L	10	---	---	---	---	---
	Cádmio	0	0	---	µg/L	5	---	---	---	---	---
	Cálcio	0	0	---	mg/L	---	<100	---	---	---	---
	Carbono orgânico total (COT)	0	0	---	mg/L	---	SAA	---	---	---	---
	Chumbo	0	0	---	µg/L	10	---	---	---	---	---
	Cianetos	0	0	---	µg/L	50	---	---	---	---	---
	Cloreto	0	0	---	mg/L	250	---	---	---	---	---
	Clostridium perfringens (incluindo esporos)	0	0	---	N/100mL	0	---	---	---	---	---
	Cobre	0	0	---	mg/L	2,0	---	---	---	---	---
	Crómio	0	0	---	µg/L	50	---	---	---	---	---
	Dureza Indicativa total	0	0	---	mS/cm	0,1	---	---	---	---	---
	Dureza total	0	0	---	mg/L	---	≥ 150 e ≤ 500	---	---	---	---
	Ferro	0	0	---	µg/L	200	---	---	---	---	---
	Fluoretos	0	0	---	mg/L	1,5	---	---	---	---	---
	Hidrocarbonetos Aromáticos Policíclicos (HAP)	0	0	---	µg/L	0,1	---	---	---	---	---
	Magnésio	0	0	---	mg/L	---	≤ 50	---	---	---	---
	Manganés	0	0	---	µg/L	50	---	---	---	---	---
	Mercurio	0	0	---	µg/L	1	---	---	---	---	---
	Níquel	0	0	---	µg/L	20	---	---	---	---	---
	Nitritos	0	0	---	mg/L	0,1	---	---	---	---	---
	Radão	0	0	---	Bq/L	500	---	---	---	---	---
	Pesticidas totais	1	1	100	µg/L	0,5	---	<0,10	<0,10	0	100
	Atacloro	0	0	---	µg/L	0,1	---	---	---	---	---
	Bentazona	0	0	---	µg/L	0,1	---	---	---	---	---
	Clorpirifos	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100
	Dimetenamida-P	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	0	0	100	µg/L	0,1	---	---	---	---	---
	Diurão	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100
	Imidaclopride	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100
	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	---	---	---	---	---
	Metacloro / S-Matacloro	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100
	Oxamit	1	1	100	µg/L	0,1	---	<0,050	<0,050	0	100
	Simazina	0	0	---	µg/L	0,1	---	---	---	---	---
	Dimetilsimazina	0	0	---	µg/L	0,1	---	---	---	---	---
Terbutiazina	0	0	---	µg/L	0,1	---	---	---	---	---	
Desetilerbutilazina	0	0	---	µg/L	0,1	---	---	---	---	---	
Polónio-210	0	0	---	Bq/L	0,1	---	---	---	---	---	
Selénio	0	0	---	µg/L	10	---	---	---	---	---	
Sódio	0	0	---	mg/L	200	---	---	---	---	---	
Tetracloreto	0	0	---	µg/L	b)	---	---	---	---	---	
Trihalometanos Total	0	0	---	µg/L	100	---	---	---	---	---	
Bromoformio	0	0	---	µg/L	100	---	---	---	---	---	
Cloroformio	0	0	---	µg/L	100	---	---	---	---	---	
Bromodiclorometano	0	0	---	µg/L	100	---	---	---	---	---	
Dibromodiclorometano	0	0	---	µg/L	100	---	---	---	---	---	
Sulfatos	0	0	---	mg/L	250	---	---	---	---	---	
Tricloroeteno	0	0	---	µg/L	b)	---	---	---	---	---	
Urânio-234	0	0	---	Bq/L	2,8	---	---	---	---	---	
Urânio-238	0	0	---	Bq/L	3	---	---	---	---	---	
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	---	---	---	---	---	
Oxidabilidade	0	0	---	mg/L	5	---	---	---	---	---	
TOTAL		21	21								

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

b) Valor paramétrico definido para a soma dos parâmetros é 10 µg/L

Metodologia de averiguação de causas relativas a incumprimentos:	Causas relativas a incumprimentos:	Medidas corretivas implementadas: