

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE								3º Trimestre	
		Zona de Abastecimento: PE02_CASAL ARRUDA_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	2	2	100	UFC/100mL	0	---	0	0	0	100
	Cloro residual livre	2	2	100	mg/L	---	≥ 0,2 e ≤ 0,6	0,5	0,5	0	100
	E. coli	2	2	100	UFC/100mL	0	---	0	0	0	100
	Nitratos	2	2	100	mg/L	50	25	4,7	<1,0	0	100
CR2	Alumínio	2	2	100	µg/L	200	---	28,4	<10	0	100
	Cheiro	2	2	100	Factor diluição	3	---	<1	<1	0	100
	Condutividade	2	2	100	µS/cm a 20°C	2500	---	760	187	0	100
	Cor	2	2	100	mg/L PtCo	20	---	<3	<3	0	100
	Clostridium perfringens (incluindo esporos)	2	2	100	UFC/100mL	0	---	0	0	0	100
	Enterococos	2	2	100	UFC/100mL	0	---	0	0	0	100
	Número total de Germes a 22°C	2	2	100	UFC/ml	SAA	100	0	0	0	100
	Número total de Germes a 37°C	2	2	100	UFC/mL	SAA	20	0	0	0	100
	pH	2	2	100	Unidades de pH	≥ 6,5 e ≤ 9,5	---	8,0	7,6	0	100
	Sabor	2	2	100	Factor diluição	3	---	<1	<1	0	100
	Turbidez	2	2	100	NTU	≤ 1	---	<0,20	<0,20	0	100
	CI	1,2-dicloroetano	0	0	---	mg/L	1,7	---	---	---	---
Alfa total		0	0	---	mg/l	1,6	---	---	---	---	---
Amónio		0	0	---	mg/L	1,5	---	---	---	---	---
Antimonio		0	0	---	mg/l	1,4	---	---	---	---	---
Arsénio		0	0	---	mg/L	1,3	---	---	---	---	---
Benzeno		0	0	---	mg/l	1,2	---	---	---	---	---
Benzo(a)pireno		0	0	---	mg/L	1,1	---	---	---	---	---
Boro		0	0	---	mg/l	1,0	---	---	---	---	---
Bromatos		0	0	---	mg/L	10	---	---	---	---	---
Cádmio		0	0	---	µg/l	5,0	---	---	---	---	---
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	---	---	---	---	---
Cloretos		0	0	---	mg/L	250	---	---	---	---	---
Cobre		0	0	---	mg/L	2,0	---	---	---	---	---
Crómio		0	0	---	µg/L	50	---	---	---	---	---
Dose indicativa total		0	0	---	mSv/ano	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	0,10	---	---	---	---	---
Benzo(b)fluoranteno		0	0	---	µg/L	---	---	---	---	---	---
Benzo(k)fluoranteno		0	0	---	µg/L	---	---	---	---	---	---
Benzo(g,h,i)perileno		0	0	---	µg/L	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno		0	0	---	µg/L	---	---	---	---	---	---
Magnésio		0	0	---	mg/L	---	≤ 50	---	---	---	---
Manganês		0	0	---	µg/L	50	---	---	---	---	---
Mercuríio		0	0	---	µg/L	1	---	---	---	---	---
Níquel		0	0	---	µg/l	20	---	---	---	---	---
Nitritos		0	0	---	mg/L	0,1	---	---	---	---	---
Rádão		0	0	---	Bq/L	500	---	---	---	---	---
Rádio-226		0	0	---	Bq/L	0,5	---	---	---	---	---
Pesticidas totais		1	1	100	µg/L	0,50	---	<0,10	<0,10	0	100
Alacloro		0	0	---	µg/ l	0,1	---	---	---	---	---
Bentazona		0	0	---	µg/ l	0,1	---	---	---	---	---
Clorpirifos		0	0	---	µg/ l	0,1	---	---	---	---	---
Dimetiamida-P		1	1	100	µg/ l	0,1	---	<0,030	<0,030	0	100
Dimetoato		0	0	---	µg/ l	0,1	---	---	---	---	---
Dinetoato		0	0	---	µg/l	0,1	---	---	---	---	---
Diurão		0	0	---	µg/L	0,1	---	---	---	---	---
Imidacloprifite		0	0	---	µg/ l	0,1	---	---	---	---	---
Isoproturão		0	0	---	µg/L	0,1	---	---	---	---	---
Linurão		0	0	---	µg/l	0,10	---	---	---	---	---
MCPA	0	0	---	µg/ l	0,1	---	---	---	---	---	
Metalaxil / Metalaxil-M	0	0	---	µg/ l	0,1	---	---	---	---	---	
Metalacloro / S-Metalacloro	0	0	---	µg/L	0,1	---	---	---	---	---	
Oxamul	0	0	---	µg/ l	0,1	---	---	---	---	---	
Simazina	0	0	---	µg/ l	0,1	---	---	---	---	---	
Dimetilsimazina	0	0	---	µg/L	0,1	---	---	---	---	---	
Terbutilazina	0	0	---	µg/L	0,10	---	---	---	---	---	
Desetil-terbutiazina	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	---	---	---	---	---	
Bromofórmio	0	0	---	µg/L	---	---	---	---	---	---	
Clorofórmio	0	0	---	µg/L	---	---	---	---	---	---	
Bromodiclorometano	0	0	---	µg/L	---	---	---	---	---	---	
Dibromoclorometano	0	0	---	µg/L	---	---	---	---	---	---	
Sulfatos	0	0	---	mg/l	250	---	---	---	---	---	
Tricloroetano	0	0	---	µg/L	b)	---	---	---	---	---	
Urânio-234	0	0	---	Bq/l	2,6	---	---	---	---	---	
Urânio-238	0	0	---	Bq/L	3	---	---	---	---	---	
TOTAL		32	32								

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

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:

O Presidente do Conselho de Administração,

Henrique Bertino Batista Antunes

O Diretor Delegado,

Samuel Reis (eng.º)

Técnico Responsável

Márcia Reis (eng.º)