

SERVIÇOS MUNICIPALIZADOS DE PENICHE	DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: PENICHE	3º Trimestre
	Zona de Abastecimento: ZA2_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 Análises Previstas	Nº Análises Realizadas	% de Análises Realizadas	Unidades	Valor Paramétrico (VP)	Valor Recomendado (Indicador)	Resultados Obtidos Máximos	Resultados Obtidos Mínimos	Nº amostras superiores ao VP	Análises que cumprem o VP (%)
CR1	Bactérias coliformes	9	9	100	UFC/100mL	0	---	0	0	0	100
	Cloro residual livre	9	9	100	mg/L Cl ₂	---	≥ 0,2 e ≤ 0,6	0,7	0,20	0	100
	E. coli	9	9	100	UFC/100mL	0	---	0	0	0	100
CR2	Alumínio	4	4	100	µg/L Al	200	---	49	<20,0	0	100
	Chumbo	4	4	100	Factor de diluição	3	---	<1	<1	0	---
	Clostridium perfringens (incluindo esporos)	4	4	100	UFC/100mL	0	---	0	0	0	100
	Condutividade	4	4	100	µS/cm a 25°C	2500	---	977	122	0	100
	Cor	4	4	100	mg/L PtCo	20	---	18	<3,0	0	100
	Enterococos intestinais	4	4	100	UFC/100mL	0	---	0	0	0	100
	Nitratos	4	4	100	mg/L NO ₃	50	---	2,8	<1,0	0	100
	Número de colónias a 22°C	4	4	100	UFC/mL	SAA	---	0	0	0	100
	pH	4	4	100	Unidades de pH	≥ 6,5 e ≤ 9,5	---	8,4	8,0	0	100
	Sabor	4	4	100	Factor diluição	3	---	<1	<1	0	100
CI	Turbidez	4	4	100	NTU	≤ 1	---	<1,0	<0,20	0	100
	1,2-dicloroetano	0	0	---	µg/L	3	---	---	---	0	---
	Alfa total	0	0	---	Bq/L	0,1	---	---	---	0	---
	Amónio	0	0	---	mg/L NH ₄	0,3	---	---	---	0	---
	Antimónio	0	0	---	µg/L Sb	5	---	---	---	0	---
	Ársénio	0	0	---	µg/L As	10	---	---	---	0	---
	Benzeno	0	0	---	µg/L	1	---	---	---	0	---
	Benzofenopireno	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	---
	Cloratos	0	0	---	mg/L Cl	250	---	---	---	0	---
	Cloritos	0	0	---	mg/L	0,7	---	---	---	0	---
	Cobre	0	0	---	mg/L Cu	2	---	---	---	0	---
	Crómio	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	---
	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(a)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 NO ₂	0,1	---	---	---	0	---
	Oxidabilidade	0	0	---	mg/L O ₂	3	---	---	---	0	---
	Pesticidas totais	1	1	---	µg/L	0,50	---	<0,10	<0,10	0	100
	Alacloro	0	0	---	µg/L	0,1	---	---	---	0	---
	Bentazona	0	0	---	µg/L	0,1	---	---	---	0	---
	Glyphos	1	1	100	µg/L	0,1	---	<0,0300	<0,0300	0	100
	Dimetienamida-P	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100
	Metolaclo	0	0	---	µg/L	0,1	---	---	---	0	---
	Dimetolaclo	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100
	Dimetolaclo	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
	Imidacloprido	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100
	Isoproturão	0	0	---	µg/L	0,1	---	---	---	0	---
	Linurão	0	0	---	µg/L	0,1	---	---	---	0	---
	MCPA	0	0	---	µg/L	0,1	---	---	---	0	---
	Metasul / Metasul-M	0	0	---	µg/L	0,1	---	---	---	0	---
	Metolaclo	1	1	---	µg/L	0,1	---	<0,030	<0,030	0	100
	Metilazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Oxamif	1	1	100	µg/L	0,1	---	<0,030	<0,030	0	100
	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	---
	Polónio-210	0	0	---	Bq/L	0,1	---	---	---	0	---
	Potássio	0	0	---	mg/L	SAA	---	---	---	0	---
	Rádio	0	0	---	Bq/L	500	---	---	---	0	---
	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	---
	Trihalometanos total (THM)	0	0	---	µg/L	100	---	---	---	0	---
	Bromofórmio	0	0	---	µg/L	---	---	---	---	0	---
	Bromodichlorometano	0	0	---	µg/L	---	---	---	---	0	---
	Clorofórmio	0	0	---	µg/L	---	---	---	---	0	---
	Dibromodichlorometano	0	0	---	µg/L	---	---	---	---	0	---
	Urânio-234	0	0	---	Bq/L	2,8	---	---	---	0	---
	Urânio-238	0	0	---	Bq/L	3	---	---	---	0	---
TOTAL		80	80								

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 Bernardino Antunes

O Diretor Delegado,

Samuel Brás (engº)

Técnico Responsável

Marcia Reis (engº)