

SERVIÇOS MUNICIPALIZADOS DE PENICHE	DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANA NO CONCELHO DE: PENICHE								3º Trimestre	
	Zona de Abastecimento: PE02_CASAL ARRUDA								2022	

Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei n.º 152/2007, de 7 de dezembro, 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	N.º Amostras PCQA			Unidades	Valor Paramétrico (VP)	Valor Recomendado (indicador)	Resultados Obtidos		N.º amostras superiores ao VP	Análises que cumprem o VP (%)
		N.º Análises Previstas	N.º 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 Cl ₂	---	≥ 0,2 e ≤ 0,6	0,5	0,5	0	100
	E. coli	1	1	100	UFC/100mL	0	---	0	0	0	100
CR2	Alumínio	1	1	100	µg/L Al	200	---	18,9	18,9	0	100
	Cheiro	1	1	100	Factor diluição	3	---	<1	<1	0	100
	Condutividade	1	1	100	µS/cm a 20°C	2500	---	295	295	0	100
	Cor	1	1	100	mg/L PtCo	20	---	<3,0	<3,0	0	100
	Clostridium perfringens (incluindo esporos)	1	1	100	UFC/100mL	0	---	0	0	0	100
	Enterococos	1	1	100	UFC/100mL	0	---	0	0	0	100
	Nitratos	1	1	100	mg/l NO ₃	50	25	10,3	10,3	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	---	7,7	7,7	0	100
C1	Sabor	1	1	100	Factor diluição	3	---	<1	<1	0	100
	Turvação	1	1	100	NTU	≤ 1	---	<0,20	<0,20	0	100
	1,2-dicloroetano	0	0	---	µg/l	3	---	---	---	0	---
	Alfa total	0	0	---	Bq/L	0,1 Bq/L	---	---	---	0	---
	Acetilamida	0	0	---	µg/l	0,1	---	---	---	0	---
	Amónio	0	0	---	mg/L NH ₄	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	0,01	---	---	---	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	---
	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	---
	Cloretos	0	0	---	mg/l Cl	250	---	---	---	0	---
	Cobre	0	0	---	mg/L Cu	2,0	---	---	---	0	---
	Crómio	0	0	---	µg/l Cr	50	---	---	---	0	---
	Dose Indicativa total	0	0	---	mSv/ano	0,1 mSv/ano	---	---	---	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	0,1	---	---	---	0	---
	Benzo(k)fluoranteno	0	0	---	µg/l	0,1	---	---	---	0	---
	Benzo(g,h,i)perileno	0	0	---	µg/l	0,1	---	---	---	0	---
	Indeno(1,2,3-cd)pireno	0	0	---	µg/l	0,1	---	---	---	0	---
	Magnésio	0	0	---	mg/L Mg	---	≤ 50	---	---	0	---
	Manganés	0	0	---	µg/l Mn	50	---	---	---	0	---
	Mercúrio	0	0	---	µg/l Hg	1	---	---	---	0	---
	Níquel	0	0	---	µg/l Ni	20	---	---	---	0	---
	Nitros	0	0	---	mg/L NO ₂	0,1	---	---	---	0	---
	Radão	0	0	---	Bq/L	500 Bq/L	---	---	---	0	---
	Radão-220	0	0	---	Bq/L	0,5	---	---	---	0	---
	Pesticidas totais	0	0	---	µg/l	0,5	---	---	---	0	---
	Alacloro	0	0	---	ng/L	---	---	---	---	0	---
	Bentazona	0	0	---	µg/L	---	---	---	---	0	---
	Clorpirifos	0	0	---	µg/L	---	---	---	---	0	---
	Dimetoato	0	0	---	ng/L	---	---	---	---	0	---
	Ormetoato	0	0	---	µg/L	---	---	---	---	0	---
	Diazão	0	0	---	µg/l	0,1	---	---	---	0	---
	Imidaclopride	0	0	---	µg/L	0,1	---	---	---	0	---
	Isoproturão	0	0	---	ng/L	---	---	---	---	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	---	
Metalacloro / S-Metalacloro	0	0	---	µg/l	0,1	---	---	---	0	---	
Oxamit	0	0	---	µg/L	0,1	---	---	---	0	---	
Simazina	0	0	---	µg/L	0,1	---	---	---	0	---	
Dimetilamizina	0	0	---	µg/l	0,1	---	---	---	0	---	
Terbutilazina	0	0	---	µg/l	0,1	---	---	---	0	---	
Dasatillerbutilazina	0	0	---	µg/l	0,1	---	---	---	0	---	
Polónio-210	0	0	---	Bq/L	0,1	---	---	---	0	---	
Selénio	0	0	---	µg/l Se	10	---	---	---	0	---	
Sódio	0	0	---	mg/l Na	200	---	---	---	0	---	
Tetracloreto	0	0	---	µg/l	10	---	---	---	0	---	
Trihalometanos Total	0	0	---	µg/l	100	---	---	---	0	---	
Bromofórmio	0	0	---	µg/l	100	---	---	---	0	---	
Clorofórmio	0	0	---	µg/l	100	---	---	---	0	---	
Bromodiorometano	0	0	---	µg/l	100	---	---	---	0	---	
Dibromoclorometano	0	0	---	µg/l	100	---	---	---	0	---	
Sulfato	0	0	---	mg/l SO ₄	250	---	---	---	0	---	
Tricloroeteno	0	0	---	µg/l	<0,10	---	---	---	0	---	
Urânio-234	0	0	---	Bq/L	2,8	---	---	---	0	---	
Urânio-238	0	0	---	Bq/L	3	---	---	---	0	---	
TOTAL		15	15								

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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