

SERVIÇOS MUNICIPALIZADOS DE PENICHE		DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANA NO CONCELHO DE PENICHE							3º Trimestre		
		Zona de Abastecimento: ZA3_TC_2022							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	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	Bacterias coliformes	3	3	100	UFC/100mL	0	---	0	0	0	100
	Cloro residual livre	3	3	100	mg/L Cl ₂	---	≥ 0,2 e ≤ 0,6	0,6	0,4	---	100
CR2	E. coli	3	3	100	UFC/100mL	0	---	0	0	0	100
	Alumínio	2	2	100	µg/L Al	200	---	32,1	<10	0	100
CR2	Cheiro	2	2	100	Factor diluição	3	---	<1	<1	0	100
	Clostridium perfringens (incluindo esporos)	2	2	100	UFC/100mL	0	---	0	0	0	100
CR2	Condutividade	2	2	100	µS/cm a 20°C	2500	---	224	184	0	100
	Cor	2	2	100	mg/L PtCo	20	---	<3,0	<3,0	0	100
CR2	Enterococos	2	2	100	UFC/100mL	0	---	0	0	0	100
	Nitritos	2	2	100	mg/L NO ₂	50	25	8,2	3,5	0	100
CR2	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
CR2	pH	2	2	100	Unidades de pH	≥ 6,5 e ≤ 9,5	---	7,8	7,4	0	100
	Sabor	2	2	100	Factor diluição	3	---	<1	<1	0	100
CR2	Turbidez	2	2	100	NTU	≤ 1	---	<0,20	<0,20	0	100
	1,2-diclorometano	0	0	---	µg/L	3	---	---	---	0	---
CR2	Alfa total	0	0	---	Bq/L	0,1	---	---	---	0	---
	Amónio	0	0	---	mg/L NH ₄	0,5	---	---	---	0	---
CR2	Antimónio	0	0	---	µg/L Sb	5	---	---	---	0	---
	Arsénio	0	0	---	µg/L As	10	---	---	---	0	---
CR2	Benzeno	0	0	---	µg/L	1	---	---	---	0	---
	Benz(a)pireno	0	0	---	µg/L	0,01	---	---	---	0	---
CR2	Boro	0	0	---	mg/L B	1	---	---	---	0	---
	Bromatos	0	0	---	µg/L BrO ₃	10	---	---	---	0	---
CR2	Cádmio	0	0	---	µg/L Cd	5	---	---	---	0	---
	Cálcio	0	0	---	mg/L Ca	---	<100	---	---	---	---
CR2	Chumbo	0	0	---	µg/L Pb	10	---	---	---	0	---
	Cianetos	0	0	---	µg/L CN	50	---	---	---	0	---
CR2	Cloretos	0	0	---	mg/L Cl	250	---	---	---	0	---
	Cobre	0	0	---	mg/L Cu	2,0	---	---	---	0	---
CR2	Crómio	0	0	---	µg/L Cr	50	---	---	---	0	---
	Dose Indicativa total	0	0	---	mSv/ano	0,1	---	---	---	0	---
CR2	Dureza total	0	0	---	mg/L CaCO ₃	---	≥ 150 e ≤ 500	---	---	---	---
	Ferro	0	0	---	µg/L Fe	200	---	---	---	0	---
CR2	Fluoretos	0	0	---	mg/L F	1,5	---	---	---	0	---
	Hidrocarbonetos Aromáticos Policíclicos (HAP)	0	0	---	µg/L	0,1	---	---	---	0	---
CR2	Benzo(b)fluoranteno	0	0	---	µg/L	0,1	---	---	---	0	---
	Benzo(g,h,i)perileno	0	0	---	µg/L	0,1	---	---	---	0	---
CR2	Benzo(k)fluoranteno	0	0	---	µg/L	0,1	---	---	---	0	---
	Indeno(1,2,3-cd)pireno	0	0	---	µg/L	0,1	---	---	---	0	---
CR2	Magnésio	0	0	---	mg/L Mg	---	≤ 50	---	---	---	---
	Manganés	0	0	---	µg/L Mn	50	---	---	---	0	---
CR2	Mercúrio	0	0	---	µg/L Hg	1	---	---	---	0	---
	Níquel	0	0	---	µg/L Ni	20	---	---	---	0	---
CR2	Nitritos	0	0	---	mg/L NO ₂	0,1	---	---	---	0	---
	Oxidabilidade	0	0	---	mg/L O ₂	5	---	---	---	0	---
CR2	Pesticidas totais	0	0	---	µg/L	0,5	---	---	---	0	---
	Atacloro	0	0	---	µg/L	---	---	---	---	---	---
CR2	Bentazona	0	0	---	µg/L	---	---	---	---	---	---
	Clorpirifos	0	0	---	µg/L	---	---	---	---	---	---
CR2	Dimetato	0	0	---	µg/L	---	---	---	---	---	---
	Orneotoato	0	0	---	µg/L	---	---	---	---	---	---
CR2	Diurão	0	0	---	µg/L	0,1	---	---	---	0	---
	Imidaclopride	0	0	---	µg/L	0,1	---	---	---	0	---
CR2	Isoproturão	0	0	---	µg/L	---	---	---	---	---	---
	Linurão	0	0	---	µg/L	0,1	---	---	---	0	---
CR2	MCPA	0	0	---	µg/L	0,1	---	---	---	0	---
	Metaxil / Metaxil-M	0	0	---	µg/L	0,1	---	---	---	0	---
CR2	Metolaclo	0	0	---	µg/L	0,1	---	---	---	0	---
	Oxamil	0	0	---	µg/L	0,1	---	---	---	0	---
CR2	Simazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Desetisimazina	0	0	---	µg/L	0,1	---	---	---	0	---
CR2	Terbutilazina	0	0	---	µg/L	0,1	---	---	---	0	---
	Desetiterbutilazina	0	0	---	µg/L	0,1	---	---	---	0	---
CR2	Polónio-210	0	0	---	Bq/L	---	0,1	---	---	---	---
	Radão	0	0	---	Bq/L	500	---	---	---	0	---
CR2	Rádio-226	0	0	---	Bq/L	---	0,5	---	---	---	---
	Selénio	0	0	---	µg/L Se	10	---	---	---	0	---
CR2	Sódio	0	0	---	mg/L Na	200	---	---	---	0	---
	Sulfatos	0	0	---	mg/L SO ₄	250	---	---	---	0	---
CR2	Tetracloreto	0	0	---	µg/L	10	---	---	---	0	---
	Tricloroetileno	0	0	---	µg/L	10	---	---	---	0	---
CR2	Trihalometanos Total	0	0	---	µg/L	100	---	---	---	0	---
	Bromoformio	0	0	---	µg/L	100	---	---	---	0	---
CR2	Cloroformio	0	0	---	µg/L	100	---	---	---	0	---
	Bromodichlorometano	0	0	---	µg/L	100	---	---	---	0	---
CR2	Dibromodichlorometano	0	0	---	µg/L	100	---	---	---	0	---
	Urânio-234	0	0	---	Bq/L	---	2,8	---	---	---	---
CR2	Urânio-238	0	0	---	Bq/L	---	3	---	---	---	---
	TOTAL	33	33	100							

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

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 Bento Batista Antunes
 O Diretor Delegado, Samuel Dina (eng)
 Técnico Responsável, Marcia Reis (eng)