

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_2025		2025

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 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	1	50
	Cloro residual livre	2	2	100	mg/L Cl <sub>2</sub>	---	≥ 0,2 e ≤ 0,6	0,6	0,6	0	100
CR2	E. coli	2	2	100	UFC/100ml	0	---	0	0	0	100
	Alumínio	1	1	100	µg/L Al	200	---	101	101	0	100
CR2	Chumbo	1	1	100	Factor diluções	0	---	<1	<1	0	100
	Condutividade	1	2	---	µS/cm a 20°C	2500	---	306	116	0	100
CR2	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
CR2	Enterococos intestinais	1	1	100	UFC/100ml	0	---	0	0	0	100
	Nitratos	1	2	---	mg/L NO <sub>3</sub>	50	---	2,0	1,9	0	100
CR2	Nitrato de cálcio a 25°C	1	1	100	UFC/ml	SAA	---	0	0	0	100
	pH	1	2	---	Unidades de pH	≥ 6,5 e ≤ 9,5	---	8,1	7,6	0	100
CR2	Sabor	1	1	100	Factor diluções	0	---	<1	<1	0	100
	Turvação	1	1	100	NTU	≤ 1	---	<1,0	<1,0	0	100
CR2	1,2-dicloroetano	0	0	---	µg/L	---	---	---	---	0	---
	Alfa total	0	0	---	Bq/L	0,1	---	---	---	0	---
CR2	Amónio	0	0	---	mg/L NH <sub>4</sub>	0,5	---	---	---	0	---
	Antimónio	0	0	---	µg/L Sb	5	---	---	---	0	---
CR2	Ársénio	0	0	---	µg/L As	10	---	---	---	0	---
	Benzeno	0	0	---	µg/L	1	---	---	---	0	---
CR2	Benzol(a)pireno	0	0	---	µg/L	---	---	---	---	0	---
	Boro	0	0	---	mg/L B	1	---	---	---	0	---
CR2	Bromatos	0	0	---	µg/L BrO <sub>2</sub>	10	---	---	---	0	---
	Cádmio	0	0	---	µg/L Cd	5	---	---	---	0	---
CR2	Cálcio	0	0	---	mg/L Ca	---	---	<100	---	0	---
	Carbono orgânico total (COT)	0	0	---	mg/L	---	SAA	---	---	0	---
CR2	Chumbo	0	0	---	µg/L Pb	10	---	---	---	0	---
	Cianetos	0	0	---	µg/L CN	50	---	---	---	0	---
CR2	Cianatos	0	0	---	mg/L	0,5	---	---	---	0	---
	Cloretos	0	0	---	mg/L Cl	250	---	---	---	0	---
CR2	Cloritos	0	0	---	mg/L	0,1	---	---	---	0	---
	Cobre	0	0	---	mg/L Cu	2	---	---	---	0	---
CR2	Cromo	0	0	---	µg/L Cr	50	---	---	---	0	---
	Dose Indicativa total	0	0	---	mSivano	0,1	---	---	---	0	---
CR2	Dureza total	0	0	---	mg/L CaCO <sub>3</sub>	---	≥ 150 e ≤ 500	---	---	0	---
	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	Benzofluoranteno	0	0	---	µg/L	---	---	---	---	0	---
	Benzo(k)fluoranteno	0	0	---	µg/L	---	---	---	---	0	---
CR2	Benzo(a)fluoranteno	0	0	---	µg/L	---	---	---	---	0	---
	Indeno(1,2,3-cd)pireno	0	0	---	µg/L	---	---	---	---	0	---
CR2	Antraceno	0	0	---	#N/D	#N/D	#N/D	---	---	0	---
	Fluoranteno	0	0	---	#N/D	#N/D	#N/D	---	---	0	---
CR2	Naftaleno	0	0	---	#N/D	#N/D	#N/D	---	---	0	---
	Magnésio	0	0	---	mg/L Mg	---	≤ 50	---	---	0	---
CR2	Manganês	0	0	---	µg/L Mn	50	---	---	---	0	---
	Mercurio	0	0	---	µg/L Hg	1	---	---	---	0	---
CR2	Níquel	0	0	---	µg/L Ni	20	---	---	---	0	---
	Nitratos	0	0	---	mg/L NO <sub>2</sub>	0,1	---	---	---	0	---
CR2	Rádão	0	0	---	Bq/L	500	---	---	---	0	---
	Rádão-226	0	0	---	Bq/L	0,5	---	---	---	0	---
CR2	Oxalato	0	0	---	mg/L Ox	5	---	---	---	0	---
	Pesticidas totais	2	2	100	µg/L	0,50	---	<0,03	<0,03	0	100
CR2	Atraceno	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
	Bentazona	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
CR2	Ciflutriazol	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
	Dimetiamida-P	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
CR2	Metilfentol	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
	Dimetoato	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
CR2	Dinotefuro	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
	Glifosato	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
CR2	AsBPA	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
	Ditiro	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
CR2	Imidacloprido	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
	MCPA	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
CR2	Metaldol / Metaldol M	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
	Metolcloro	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
CR2	Methidatosa	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
	Simazina	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
CR2	Desmetolazina	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
	Tebuconazol	2	2	100	µg/L	0,10	---	<0,030	<0,030	0	100
CR2	Tebuconazol	2	2	100	µg/L	0,10	---	<0,030	<0,030	0	100
	Desetiltebuconazol	2	2	100	µg/L	0,1	---	<0,030	<0,030	0	100
CR2	Poténcia 210	0	0	---	Bq/L	0,1	---	---	---	0	---
	Potássio	0	0	---	mg/L	SAA	---	---	---	0	---
CR2	Selenio	0	0	---	µg/L Se	10	---	---	---	0	---
	Sódio	0	0	---	mg/L Na	200	---	---	---	0	---
CR2	Tetraciclinos e Tetraciclina	0	0	---	µg/L	10	---	---	---	0	---
	Trihalometanos total (THM)	0	0	---	µg/L	100	---	---	---	0	---
CR2	Bisfenol A	0	0	---	µg/L	---	---	---	---	0	---
	Bromodiacetamfeno	0	0	---	µg/L	---	---	---	---	0	---
CR2	Clorobornes	0	0	---	µg/L	---	---	---	---	0	---
	Dibromoclorometano	0	0	---	µg/L	---	---	---	---	0	---
CR2	Sulfatos	0	0	---	mg/L SO <sub>4</sub>	250	---	---	---	0	---
	Urânio-234	0	0	---	Bq/L	2,6	---	---	---	0	---
CR2	Urânio-238	0	0	---	Bq/L	2	---	---	---	0	---
	<b>TOTAL</b>	<b>59</b>	<b>62</b>								

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:
Realização de análises de verificação no ponto de amostragem onde se registou o incumprimento.	A averiguação das causas foi incruceada.	N/A: Não foram tomadas medidas porque as análises posteriores não confirmaram o incumprimento.

O Presidente do Conselho de Administração, O Diretor Delegado, Técnico Responsável  
 Pedro Henrique Lourenço Barata, Salmorinhas (eng), Márcia Reis (eng)