

SERVIÇOS MUNICIPALIZADOS DE PENICHE	DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE: <b>PENICHE</b>	<b>4º Trimestre</b>
	Zona de Abastecimento: <b>PE01_OLHO MARINHO_2025</b>	<b>2025</b>

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	---	3	0	1	50
	Cloro residual livre	2	2	100	mg/L Cl <sub>2</sub>	---	≥ 0,2 e ≤ 0,6	0,9	0,5	0	100
	E. coli	2	2	100	UFC/100mL	0	---	0	0	0	100
CR2	Cheiro	1	1	100	Factor diluição	3	---	<1	<1	0	100
	Condutividade	1	2	200	µS/cm a 20°C	2500	---	898	855	0	100
	Cor	1	1	100	mg/L PtCo	20	---	<3,0	<3,0	0	100
	Enterococos intestinais	1	1	100	UFC/100mL	0	---	0	0	0	100
	Nitratos	1	2	200	mg/L NO <sub>3</sub>	50	---	34,0	3,3	0	100
	Número de colónias a 22°C	1	1	100	UFC/mL	SAA	100	0	0	0	100
	pH	1	2	200	Unidades de pH	≥ 6,5 e ≤ 9,5	---	7,5	6,5	0	100
	Sabor	1	1	100	Factor diluição	3	---	<1	<1	0	100
Turvação	1	1	100	NTU	≤ 1	---	<1,0	<1,0	0	100	
C	1,2-dicloroetano	0	0	---	µg/L	3	---	---	---	0	---
	Alfa total	0	0	---	Bq/L	0,1	---	---	---	0	---
	Alumínio	0	0	---	µg/L	200	---	---	---	0	---
	Amónio	0	0	---	mg/L NH <sub>4</sub>	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	---
	Boro	0	0	---	mg/L B	1	---	---	---	0	---
	Bromatos	0	0	---	µg/L BrO <sub>3</sub>	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	---
	Cloratos	0	0	---	mg/L	0,7	---	---	---	0	---
	Cloretos	0	0	---	mg/L Cl	250	---	---	---	0	---
	Cloritos	0	0	---	mg/L	0,7	---	---	---	0	---
	Clostridium perfringens (incluindo esporos)	0	0	---	UFC/100mL	0	---	---	---	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 <sub>3</sub>	---	≥ 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(k)fluoranteno	0	0	---	µg/L	---	---	---	---	0	---
	Benzo(g,h,i)pireno	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	---
	Mercúrio	0	0	---	µg/L Hg	1	---	---	---	0	---
	Níquel	0	0	---	µg/L Ni	20	---	---	---	0	---
	Nitritos	0	0	---	mg/L NO <sub>2</sub>	0,1	---	---	---	0	---
	Oxidabilidade	0	0	---	mg/L O <sub>2</sub>	5	---	---	---	0	---
	Radão	0	0	---	Bq/L	500	---	---	---	0	---
	Rádio-226	0	0	---	Bq/L	0,5	---	---	---	0	---
	Pesticidas totais	0	0	---	µg/L	0,5	---	---	---	0	---
	Alacloro	0	0	---	µg/L	0,1	---	---	---	0	---
	Bentazona	0	0	---	µg/L	0,1	---	---	---	0	---
	Clorpirifos	0	0	---	µg/L	0,1	---	---	---	0	---
	Dimetnamida-P	0	0	---	µg/L	0,1	---	---	---	0	---
	M656PH051	0	0	---	µg/L	0,1	---	---	---	0	---
	Dimetoato	0	0	---	µg/L	0,1	---	---	---	0	---
	Ometoato	0	0	---	µg/L	0,1	---	---	---	0	---
	Diurão	0	0	---	µg/L	0,1	---	---	---	0	---
Imidaclopride	0	0	---	µg/L	0,1	---	---	---	0	---	
MCPA	0	0	---	µg/L	0,1	---	---	---	0	---	
Metalaxil / Metalixil-M	0	0	---	µg/L	0,1	---	---	---	0	---	
Metolaclo	0	0	---	µg/L	0,1	---	---	---	0	---	
Metribuzina	0	0	---	µg/L	0,1	---	---	---	0	---	
Simazina	0	0	---	µg/L	0,1	---	---	---	0	---	
Desetilsimazina	0	0	---	µg/L	0,1	---	---	---	0	---	
Tebucozanol	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	---	
Selénio	0	0	---	µg/L Se	10	---	---	---	0	---	
Sódio	0	0	---	mg/L Na	200	---	---	---	0	---	
Tetracloroeteno e Tricloroeteno	0	0	---	µg/L	10	---	---	---	0	---	
Trihalometanos total (THM)	0	0	---	µg/L	100	---	---	---	0	---	
Bromofórmio	0	0	---	µg/L	---	---	---	---	0	---	
Bromodíclorometano	0	0	---	µg/L	---	---	---	---	0	---	
Clorofórmio	0	0	---	µg/L	---	---	---	---	0	---	
Dibromoclorometano	0	0	---	µg/L	---	---	---	---	0	---	
Sulfatos	0	0	---	mg/L SO <sub>4</sub>	250	---	---	---	0	---	
Urânio-234	0	0	---	Bq/L	2,8	---	---	---	0	---	
Urânio-238	0	0	---	Bq/L	3	---	---	---	0	---	
<b>TOTAL</b>		<b>15</b>	<b>18</b>								

**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:
Realização de análises de verificação.	X1-Outra: A análise de verificação não confirmou o resultado. A instalação para além de monitorizada diariamente no âmbito do controlo operacional interno, é também monitorizada no sistema de telegestão, não tendo sido observada qualquer anomalia. O que se verificou é que neste dia de colheitas realizadas pelo laboratório externo, os resultados foram positivos para todas as amostra dos vários pontos do sistema. Como os resultados foram confirmados pelo laboratório, presume-se que tenha ocorrido alguma contaminação na amostragem.	N4: 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 Samuel Dinis (engº) Márcia Reis (engº)