

RELATÓRIO TRIMESTRAL DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO

CONCELHO: SANTARÉM
ZONA DE ABASTECIMENTO: ABRÃ

ANO: 2026
TRIMESTRE: 1º

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 - Entidade Reguladora dos Serviços de Águas e Resíduos).

Parâmetro	Valor Paramétrico (VP)		Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
	VP	Unidade	Mínimo	Máximo			Previstas	Realizadas	
Controlo de rotina 1 (CR1)									
<i>Escherichia coli (E. Coli)</i>	0	N/100 ml	0	0	0	100%	3	3	100%
Bactérias coliformes	0	N/100 ml	0	0	0	100%	3	3	100%
Desinfetante residual	---	mg/l Cl ₂	0,47	0,59	---	---	3	3	100%
Controlo de rotina 2 (CR2)									
Cheiro a 25 °C	3	Fator de diluição	<1		0	100%	1	1	100%
Sabor a 25 °C	3	Fator de diluição	<1		0	100%	1	1	100%
pH	≥6,5 e ≤9,5	Unidades pH	7,2		0	100%	1	1	100%
Condutividade	2500	µS/cm a 20 °C	395		0	100%	1	1	100%
Cor	20	mg/l PtCo	<6		0	100%	1	1	100%
Turvação	4	UNT	<0,80		0	100%	1	1	100%
Enterococos	0	N/100 ml	0		0	100%	1	1	100%
Número de colónias a 22 °C	---	N/ml	0		---	---	1	1	100%
Controlo de inspeção (CI)									
<i>Clostridium perfringens</i>	0	N/100 ml	---		---	---	0	0	---
Ácidos Haloacéticos (HAA) (*)	60	µg/L	---		---	---	0	0	---
Alumínio	200	µg/L Al	---		---	---	0	0	---
Amónio	0,50	mg/l NH ₄	---		---	---	0	0	---
Antimónio	5,0	µg/l Sb	---		---	---	0	0	---
Arsénio	10	µg/l As	---		---	---	0	0	---
Benzeno	1,0	µg/l	---		---	---	0	0	---
Benzo(a)pireno	0,010	µg/l	---		---	---	0	0	---
Bisfenol A	2,5	µg/l	---		---	---	0	0	---
Boro	1,0	mg/l B	---		---	---	0	0	---
Bromatos	10	µg/l BrO ₃	---		---	---	0	0	---
Cádmio	5,0	µg/l Cd	---		---	---	0	0	---
Cálcio	---	mg/l Ca	---		---	---	0	0	---
Cianetos	50	µg/l CN	---		---	---	0	0	---
Cloratos	0,70	mg/l ClO ₃	---		---	---	0	0	---
Cloretos	250	mg/l Cl	---		---	---	0	0	---
Cloritos	0,70	mg/l ClO ₂	---		---	---	0	0	---
Chumbo	10	µg/l Pb	---		---	---	0	0	---
Cobre	2,0	mg/l Cu	---		---	---	0	0	---
Crómio	50	µg/l Cr	---		---	---	0	0	---
1,2 – dicloroetano	3,0	µg/l	---		---	---	0	0	---
Dureza total	---	mg/l CaCO ₃	---		---	---	0	0	---
Ferro	200	µg/l Fe	---		---	---	0	0	---
Fluoretos	1,5	mg/l F	---		---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (HAP) (*)	0,10	µg/l	---		---	---	0	0	---
Magnésio	---	mg/l Mg	---		---	---	0	0	---
Manganês	50	µg/l Mn	---		---	---	0	0	---
Nitratos	50	mg/l NO ₃	---		---	---	0	0	---
Nitritos	0,50	mg/l NO ₂	---		---	---	0	0	---
Mercúrio	1,0	µg/l Hg	---		---	---	0	0	---
Níquel	20	µg/l Ni	---		---	---	0	0	---
Oxidabilidade	5,0	mg/l O ₂	---		---	---	0	0	---
Potássio	---	mg/l	---		---	---	0	0	---
Selénio	10	µg/l Se	---		---	---	0	0	---
Sódio	200	mg/l Na	---		---	---	0	0	---
Sulfatos	250	mg/l SO ₄	---		---	---	0	0	---

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Parâmetro	Valor Paramétrico (VP)		Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
	VP	Unidade	Mínimo	Máximo			Previstas	Realizadas	
Tetracloroetano e Tricloroetano (*)	10	µg/l	---	---	---	---	0	0	---
Soma de PFAS (*)	0,1	µg/l	---	---	---	---	0	0	---
Trihalometanos - total (THM) (*)	100	µg/l	---	---	---	---	0	0	---
Pesticidas - total	0,50	µg/l	---	---	---	---	0	0	---
AMPA	0,10	µg/l	---	---	---	---	0	0	---
Bentazona	0,10	µg/l	---	---	---	---	0	0	---
Desetilsimazina	0,10	µg/l	---	---	---	---	0	0	---
Desetilterbutilazina	0,10	µg/l	---	---	---	---	0	0	---
Dimetenamida P	0,10	µg/l	---	---	---	---	0	0	---
Dimetoato	0,10	µg/l	---	---	---	---	0	0	---
Diurão	0,10	µg/l	---	---	---	---	0	0	---
Glifosato	0,10	µg/l	---	---	---	---	0	0	---
Imidaclopride	0,10	µg/l	---	---	---	---	0	0	---
M656PH051	0,10	µg/l	---	---	---	---	0	0	---
MCPA	0,10	µg/l	---	---	---	---	0	0	---
Metribuzina	0,10	µg/l	---	---	---	---	0	0	---
Ometoato	0,10	µg/l	---	---	---	---	0	0	---
Simazina	0,10	µg/l	---	---	---	---	0	0	---
Tebuconazol	0,10	µg/l	---	---	---	---	0	0	---
Terbutilazina	0,10	µg/l	---	---	---	---	0	0	---
Polónio-210	---	Bq/l	---	---	---	---	0	0	---
Radio-226	---	Bq/l	---	---	---	---	0	0	---
Urânio-234	---	Bq/l	---	---	---	---	0	0	---
Urânio-238	---	Bq/l	---	---	---	---	0	0	---
Urânio	30	µg/l	---	---	---	---	0	0	---
Dose indicativa	0,10	mSv/ano	---	---	---	---	0	0	---

Os resultados analíticos apresentados evidenciam que a água distribuída nesta zona de abastecimento está em conformidade com as normas estabelecidas no Decreto-Lei nº 69/2023, de 21 de agosto.

Responsável: Maria Cristina Monteiro Ferreira Técnica Superior de Ambiente e Sustentabilidade	Assinatura:	Data: 21-05-2026
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(*) - NOTAS:

O resultado de "Hidrocarbonetos Aromáticos Policíclicos (HAP)" corresponde ao resultado determinado com base nas análises realizadas às quatro substâncias individuais: Benzo[b]fluoranteno; Benzo[k]fluoranteno; Benzo[ghi]perileno; Indeno[1,2,3-cd]pireno.

O resultado de "Tetracloroetano e Tricloroetano" corresponde ao resultado determinado com base nas análises realizadas aos dois compostos individuais.

O resultado de "Trihalometanos - total (THM)" corresponde ao resultado determinado com base nas análises realizadas às quatro substâncias individuais: Clorofórmio; Bromofórmio; Dibromoclorometano; Bromodiclorometano.

O resultado de "Ácidos Haloacéticos (HAA)" corresponde ao resultado determinado com base nas análises realizadas às cinco substâncias individuais: Ácido monocloroacético; Ácido dicloroacético; Ácido tricloroacético; Ácido monobromoacético; Ácido dibromoacético.

A "Soma de PFAS" corresponde ao resultado determinado com base nas análises realizadas às 20 substâncias individuais: Ácido perfluorobutanóico (PFBA); Ácido perfluoropentanóico (PFPA); Ácido perfluorohexanóico (PFHxA); Ácido perfluoroheptanóico (PFHpA); Ácido perfluoroctanóico (PFOA); Ácido perfluorononanóico (PFNA); Ácido perfluorodecanóico (PFDA); Ácido perfluoroundecanóico (PFUnDA); Ácido perfluorododecanóico (PFDoDA); Ácido perfluorotridecanóico (PFTrDA); Ácido perfluorobutanossulfónico (PFBS); Ácido perfluoropentanossulfónico (PFPS); Ácido perfluorohexanossulfónico (PFHxS); Ácido perfluoroheptanossulfónico (PFHpS); Ácido perfluoroctanossulfónico (PFOS); Ácido perfluorononanossulfónico (PFNS); Ácido perfluorodecanossulfónico (PFDS); Ácido perfluoroundecanossulfónico; Ácido perfluorododecanossulfónico; e, Ácido perfluorotridecanossulfónico.