

Controlo da Qualidade da Água para Consumo Humano do Sistema de Abastecimento Público
Zona de Abastecimento de Água: Seixo

1º Trimestre
01 de janeiro a 31 de março
Ano 2026

Parâmetro	VP - Valor Paramétrico		Valores Obtidos		Nº de Análises Superiores ao VP	% de Cumprimento do VP	Nº de Análises PCQA 2026		% Análises Realizadas
	VP	Unidade	Mínimo	Máximo			Previstas	Realizadas	
Escherichia coli (E. Coli)	0	N/100ml	0	0	0	100%	6	6	100%
Bactérias Coliformes	0	N/100ml	0	0	0	100%	6	6	100%
Desinfetante Residual	---	mg/l	0,31	0,61	---	---	6	6	100%
Cheiro a 25°C	3,0	Fator de diluição	<1	<1	0	100%	2	2	100%
Sabor a 25°C	3,0	Fator de diluição	<1	<1	0	100%	2	2	100%
pH	≥6,5 e ≤9,5	E. de Sorensen	6,2	7,4	1	50%	2	2	100%
Condutividade	2500	µS/cm a 20°C	164	463	0	100%	2	2	100%
Cor	20,0	mg/l PtCo	<5,0	<5,0	0	100%	2	2	100%
Turvação	4,0	UNT	<0,20	<0,20	0	100%	2	2	100%
Enterococos fecais	0	N/100ml	0	0	0	100%	2	2	100%
Número de Colónias a 22°C	---	N/ml a 22°C	ND	ND	---	---	1	1	100%
Número de Colónias a 36°C	---	N/ml a 36°C	---	---	---	---	---	---	---
Alumínio	200,0	µg/l Al	<20	<20	0	100%	1	1	100%
Cálcio	---	mg/l Ca	82	82	---	---	1	1	100%
Clostridium perfringens	0	N/100ml	0	0	0	100%	1	1	100%
Dureza Total	---	mg/l CaCO3	260	260	---	---	1	1	100%
Dose Indicativa (1)	0,1	mSv	<0,10	<0,10	0	100%	1	1	100%
Alfa-total (1)	---	Bq/l	<0,04	<0,04	---	---	1	1	100%
Beta- Total (1)	---	Bq/l	---	---	---	---	---	---	---
Polónio 210	---	Bq/l	---	---	---	---	---	---	---
Rádio 226	---	Bq/l	---	---	---	---	---	---	---
Urânio 234	---	Bq/l	---	---	---	---	---	---	---
Urânio 238	---	Bq/l	---	---	---	---	---	---	---
Radão	500	Bq/l	---	---	---	---	---	---	---
Ferro	200	µg/l Fe	<10	<10	0	100%	1	1	100%
Magnésio	---	mg/l Mg	12	12	---	---	1	1	100%
Manganês	50	µg/l Mn	<10	<10	0	100%	1	1	100%
Oxidabilidade	5,0	mg/l O2	2,7	2,7	0	100%	1	1	100%
Potássio	---	mg/l K	2,2	2,2	---	---	1	1	100%
Ácidos Haolacéticos	60,0	µg/l	2	2	0	100%	1	1	100%
Amónio	0,5	mg/l NH4	<0,050	<0,050	0	100%	1	1	100%
Antimónio (1)	10,0	µg/l Sb	<0,05	<0,05	0	100%	1	1	100%
Arsénio (1)	10	µg/l As	0,06	0,06	0	100%	1	1	100%
Benzeno (1)	1,0	µg/l	<0,3	<0,3	0	100%	1	1	100%
Benzo(a)pireno	0,01	µg/l	<0,002	<0,002	0	100%	1	1	100%
Bisfenol A	2,5	µg/l	<0,050	<0,050	0	100%	1	1	100%
Boro (1)	1,5	mg/l B	<0,10	<0,10	0	100%	1	1	100%
Bromatos (1)	10,0	µg/l BrO3	<1,5	<1,5	0	100%	1	1	100%
Cádmio (1)	5	µg/l Cd	<1,0	<1,0	0	100%	1	1	100%
Carbono Orgânico Total (COT)	---	mg/l C	---	---	---	---	---	---	---
Cianetos (1)	50	µg/l CN	<1,0	<1,0	0	100%	1	1	100%
Cloretos (1)	250,0	mg/l Cl	21	21	0	100%	1	1	100%
Cloritos	0,25 (3)	mg/l	<0,010	<0,010	0	100%	1	1	100%
Cloratos	0,25 (3)	mg/l	<0,010	<0,010	0	100%	1	1	100%
Chumbo	10	µg/l Pb	<3,0	<3,0	0	100%	1	1	100%
Cobre	2,0	mg/l Cu	<0,010	<0,010	0	100%	1	1	100%
Crómio	50	µg/l Cr	<5,0	<5,0	0	100%	1	1	100%
1,2 - dicloroetano (1)	3,0	µg/l	<0,3	<0,3	0	100%	1	1	100%
Fluoretos (1)	1,5	mg/l F	0,067	0,067	0	100%	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos (HAP) (**):	0,1	µg/l	<0,005(>LQ)	<0,005(>LQ)	0	100%	1	1	100%
Benzo(b)fluoranteno	---	µg/l	---	---	---	---	---	---	---
Benzo(k)fluoranteno	---	µg/l	---	---	---	---	---	---	---
Benzo(ghi)perileno	---	µg/l	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno	---	µg/l	---	---	---	---	---	---	---
Nitratos (1)	50	mg/l NO3	3,9	3,9	0	100%	1	1	100%
Nitritos	0,5	mg/l NO2	0,010	0,010	0	100%	1	1	100%
Mercurio (1)	1	µg/l Hg	<0,01	<0,01	0	100%	1	1	100%
Níquel	20,0	µg/l Ni	<5,0	<5,0	0	100%	1	1	100%
Pesticidas - totais (1)	0,5	µg/l	<0,02(>LQ)	<0,02(>LQ)	0	100%	1	1	100%
M656PH051 (1)	0,1	µg/l	---	---	---	---	---	---	---
Bentazona (1)	0,1	µg/l	---	---	---	---	---	---	---
Clorpirifos (1)	0,1	µg/l	---	---	---	---	---	---	---
Dimetoato (1)	0,1	µg/l	---	---	---	---	---	---	---
Diurão (1)	0,1	µg/l	---	---	---	---	---	---	---
Imidaclopride (1)	0,1	µg/l	---	---	---	---	---	---	---
S-Metolaclozolo (1)	0,1	µg/l	---	---	---	---	---	---	---
MCPA (1)	0,1	µg/l	---	---	---	---	---	---	---
Dimetenamida-P (1)	0,1	µg/l	---	---	---	---	---	---	---
Metribuzina (1)	0,1	µg/l	---	---	---	---	---	---	---
Terbutilazina (1)	0,1	µg/l	---	---	---	---	---	---	---
Desetilterbutilazina (1)	0,1	µg/l	---	---	---	---	---	---	---
Ometoato (1)	0,1	µg/l	---	---	---	---	---	---	---
Metalaxil (1)	0,1	µg/l	---	---	---	---	---	---	---
Tebuconazol (1)	0,1	µg/l	---	---	---	---	---	---	---
Glifosato (1)	0,1	µg/l	<0,02	<0,02	0	100%	1	1	100%
AMPA (1)	0,1	µg/l	<0,02	<0,02	0	100%	1	1	100%
Selénio (1)	20	µg/l Se	<0,5	<0,5	0	100%	1	1	100%
Sódio (1)	200,0	mg/l Na	14	14	0	100%	1	1	100%
Sulfatos (1)	250	mg/l SO4	41	41	0	100%	1	1	100%
Tetracloreto e Tricloroeteno (1)(***)	10,0	µg/l	<3(>LQ)	<3(>LQ)	0	100%	1	1	100%
Soma de PFAS (****)	0,10	µg/l	<0,00150	<0,00150	0	100%	1	1	100%
Tetracloreto	---	µg/l	---	---	---	---	---	---	---
Tricloroeteno	---	µg/l	---	---	---	---	---	---	---
Trihalometanos - Totais (THM)	100,0	µg/l	3	3	0	100%	1	1	100%
Clorofórmio	---	µg/l	---	---	---	---	---	---	---
Bromofórmio	---	µg/l	---	---	---	---	---	---	---
Bromodiclorometano	---	µg/l	---	---	---	---	---	---	---
Dibromodiclorometano	---	µg/l	---	---	---	---	---	---	---
Urânio	30	µg/l	0,28	0,28	0	100%	1	1	100%

Informação complementar
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).
Informação complementar relativa à averiguação de incumprimentos dos Valores Paramétricos (VP):
Foi detetado um incumprimento ao parâmetro pH , na colheita do dia 18 de março, com o valor abaixo do recomendado; Identificámos como causas:Caraterísticas naturais (hidrogeológicas) da origem de água; Como medidas: Não foram tomadas medidas por não haver risco significativo para a saúde na Zona de Abastecimento do Seixo
Laboratórios responsáveis pelas colheitas e ensaios:
Cesab
Legenda:
VP - Valor Paramétrico constante do anexo I do DL 69/2023, de 21 de agosto
ND - Não Detetado
LQ - Limite de Quantificação
LD - Limite de Detecção
NA - Não Aplicável
(1) Parâmetros Conservativos
(2) Parâmetros Conserv analisados pela EG em Alta
(3) VP configurado em função do sistema de desinfeção existente
* O valor de "Ácidos Haloacéticos (HAA)" corresponde à soma das 5 espécies: monocloroacético, dicloroacético, tricloroacético, monobromoacético e dibromoacético.
** O resultado de "Hidrocarbonetos Aromáticos Policíclicos (HAP)" corresponde à soma das 5 espécies: Benzo(b)fluoranteno; Benzo(k)fluoranteno; Benzo(ghi)perileno; Indeno[1,2,3 -cd]pireno.
*** O resultado de "Tetracloreto e Tricloroeteno" corresponde ao resultado determinado com base nas análises realizadas aos dois compostos individuais.
**** A soma de PFAS corresponde ao total obtido para os seguinte 20 ácidos: perfluorobutanóico, perfluoropentanóico, perfluorohexanóico, perfluoroheptanóico, perfluorooctanóico, perfluorononanoico, perfluorodecanóico, perfluoroundecanóico, perfluorododecanóico, perfluorotridecanóico, perfluorobutanossulfónico, perfluoropentanossulfónico, perfluorohexanossulfónico, perfluoroheptanossulfónico, perfluorooctanossulfónico, perfluorononanossulfónico, perfluorodecanossulfónico, perfluoroundecanossulfónico, perfluorododecanossulfónico, perfluorotridecanossulfónico
Diretor-Geral:
Idalécio Pessoa Oliveira, Eng.
Data:
26 de Junho de 2026