

CÂMARA MUNICIPAL DE PALMELA	DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO CONCELHO DE PALMELA	2.º TRIMESTRE
	ZONA DE ABASTECIMENTO: VILA AMÉLIA	ANO 2026

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 consta no Programa de Controlo da Qualidade da Água (PCQA).

Parâmetro (unidades)	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	
<i>Escherichia coli</i> (<i>E. Coli</i>)	0	N/100 ml	0	0	0	100%	1	1	100%
Bactérias coliformes	0	N/100 ml	0	0	0	100%	1	1	100%
Desinfetante residual	---	mg/l	0,3	0,3	0	100%	1	1	100%
Cheiro a 25 °C	3	Fator de diluição	<1	<1	0	100%	1	1	100%
Sabor a 25 °C	3	Fator de diluição	<1	<1	0	100%	1	1	100%
pH	≥6,5 e ≤9,5	Unidades pH	6,7	6,7	0	100%	1	1	100%
Condutividade	2500	µS/cm a 20 °C	254	254	0	100%	1	1	100%
Cor	20	mg/l PtCo	<2	<2	0	100%	1	1	100%
Turvação	4	UNT	<0,30	<0,30	0	100%	1	1	100%
Enterococos	0	N/100 ml	0	0	0	100%	1	1	100%
Número de colónias a 22 °C	---	N/ml	ND	ND	0	100%	1	1	100%
<i>Clostridium perfringens</i>	0	N/100 ml	---	---	---	---	0	0	100%
Ácidos Haloacéticos (HAA) (*)	60	µg/l	---	---	---	---	0	0	100%
Ácido Monobromoacético	---	µg/L	---	---	---	---	0	0	100%
Ácido Monocloroacético	---	µg/L	---	---	---	---	0	0	100%
Ácido Dicloroacético	---	µg/L	---	---	---	---	0	0	100%
Ácido Tricloroacético	---	µg/L	---	---	---	---	0	0	100%
Ácido Dibromoacético	---	µg/L	---	---	---	---	0	0	100%
Soma de PFAS *1	0,10	µg/l	---	---	---	---	0	0	100%
Ácido perfluorooctanossulfónico (PFOS)1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluorobutanóico (PFBA)1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluoropentanóico (PFPA)1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluorohexanóico (PFHxA)1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluoroheptanóico (PFHpA)1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluorooctanóico (PFOA)1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluorononanóico (PFNA)1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluorodecanóico (PFDA)1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluoroundecanóico (PFUnDA)1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluorododecanóico (PFDoDA)1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluorotridecanóico (PFTrDA) 1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluorobutanossulfónico (PFBS)1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluoropentanossulfónico (PFPS)1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluorohexanossulfónico (PFHxS)1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluoroheptanossulfónico (PFHpS)1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluorononanossulfónico (PFNS)1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluorodecanossulfónico (PFDS)1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluoroundecanossulfónico1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluorododecanossulfónico1	---	µg/L	---	---	---	---	0	0	100%
Ácido perfluorotridecanossulfónico1	---	µg/L	---	---	---	---	0	0	100%
Bisfenol A1	2,5	µg/L	---	---	---	---	0	0	100%
Alumínio	200	µg/L Al	---	---	---	---	0	0	100%
Amónio	0,50	mg/l NH ₄	---	---	---	---	0	0	100%
Antimónio ¹	10	µg/l Sb	---	---	---	---	0	0	100%
Arsénio ¹	10	µg/l As	---	---	---	---	0	0	100%
Benzeno ¹	1,0	µg/l	---	---	---	---	0	0	100%
Benzo(a)pireno	0,010	µg/l	---	---	---	---	0	0	100%
Boro ¹	1,5	mg/l B	---	---	---	---	0	0	100%
Bromatos ¹	10	µg/l BrO ₃	---	---	---	---	0	0	100%
Cádmio ¹	5,0	µg/l Cd	---	---	---	---	0	0	100%
Cálcio	---	mg/l Ca	---	---	---	---	0	0	100%
Carbono Orgânico Total (COT)	---	mg/l C	---	---	---	---	0	0	100%
Cianetos ¹	50	µg/l CN	---	---	---	---	0	0	100%
Cloretos ¹	250	mg/l Cl	---	---	---	---	0	0	100%
Cloritos	0,25	mg/l ClO ₂	---	---	---	---	0	0	100%
Cloratos	0,25	mg/l ClO ₃	---	---	---	---	0	0	100%
Chumbo	10	µg/l Pb	<3	<3	0	100%	1	1	100%
Cobre	2,0	mg/l Cu	---	---	---	---	0	0	100%
Crómio	50	µg/l Cr	---	---	---	---	0	0	100%
1,2-dicloroetano ¹	3,0	µg/l	---	---	---	---	0	0	100%
Dureza total	---	mg/l CaCO ₃	---	---	---	---	0	0	100%
Ferro	200	µg/l Fe	---	---	---	---	0	0	100%
Fluoretos ¹	1,5	mg/l F	---	---	---	---	0	0	100%
Hidrocarbonetos Aromáticos Policíclicos (HAP) (*)	0,10	µg/l	---	---	---	---	0	0	100%
Benzo(b)fluoranteno (µg/L)	---	µg/l	---	---	---	---	0	0	100%
Benzo(k)fluoranteno (µg/L)	---	µg/l	---	---	---	---	0	0	100%
Benzo(ghi)perileno (µg/L)	---	µg/l	---	---	---	---	0	0	100%
Indeno(1,2,3-cd)pireno(µg/L)	---	µg/l	---	---	---	---	0	0	100%
Magnésio	---	mg/l Mg	---	---	---	---	0	0	100%
Manganês	50	µg/l Mn	---	---	---	---	0	0	100%
Mercurio ¹	1,0	µg/l Hg	---	---	---	---	0	0	100%
Nitratos ¹	50	mg/l NO ₃	---	---	---	---	0	0	100%
Nitritos	0,50	mg/l NO ₂	---	---	---	---	0	0	100%
Níquel	20	µg/l Ni	---	---	---	---	0	0	100%
Oxidabilidade	5,0	mg/l O ₂	---	---	---	---	0	0	100%
Pesticidas Total ¹	0,50	µg/l	<0,03	<0,03	0	100%	1	1	100%

Dimetenamida-P (ug/l)1	0,10	µg/l	---	---	---	---	0	0	100%
M656PH051(ug/l)1	0,10	µg/l	---	---	---	---	0	0	100%
AMPA1	0,10	µg/l	---	---	---	---	0	0	100%
Glifosato1	0,10	µg/l	---	---	---	---	0	0	100%
Desetil-terbutilazina (µg/L)1	0,10	µg/l	<0,03	<0,03	0	100%	1	1	100%
Bentazona (µg/L)1	0,10	µg/l	<0,03	<0,03	0	100%	1	1	100%
Terbutilazina (µg/L)1	0,10	µg/l	<0,03	<0,03	0	100%	1	1	100%
Imidaclopride1	0,10	µg/l	<0,03	<0,03	0	100%	1	1	100%
Potássio	---	mg/l K	---	---	---	---	0	0	100%
Selénio ¹	20	µg/l Se	---	---	---	---	0	0	100%
Sódio ¹	200	mg/l Na	---	---	---	---	0	0	100%
Sulfatos ¹	250	mg/l SO ₄	---	---	---	---	0	0	100%
Tricloroeteno e Tetracloroeteno* ¹	10	µg/l	---	---	---	---	0	0	100%
Tetracloroeteno(µg/L)	---	µg/l	---	---	---	---	0	0	100%
Tricloroeteno(µg/L)	---	µg/l	---	---	---	---	0	0	100%
Clorofórmio(µg/L)	---	µg/l	---	---	---	---	0	0	100%
Bromofórmio(µg/L)	---	µg/l	---	---	---	---	0	0	100%
Bromodichlorometano(µg/L)	---	µg/l	---	---	---	---	0	0	100%
Dibromoclorometano(µg/L)	---	µg/l	---	---	---	---	0	0	100%
Trihalometanos - total (THM) (*)	100	µg/l	---	---	---	---	0	0	100%
Urânio ¹	30	µg/l	---	---	---	---	0	0	100%
Alfa Total ¹	---	Bq/l	---	---	---	---	0	0	100%
Dose Indicativa ¹	0,10	mSv	---	---	---	---	0	0	100%
Radionuclídeo 1	---	Bq/l	---	---	---	---	0	0	100%
Radionuclídeo 2	---	Bq/l	---	---	---	---	0	0	100%
Radionuclídeo 3	---	Bq/l	---	---	---	---	0	0	100%
Radionuclídeo 4	---	Bq/l	---	---	---	---	0	0	100%
Radão	500	Bq/l	---	---	---	---	0	0	100%
NOTA 1: Parâmetros conservativos analisados pela entidade gestora em alta (Serviços Municipais de Setúbal) a consultar em www.sms-setubal.pt									
Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas corretivas) e ao parecer da Autoridade de Saúde:									
Responsável: (nome e assinatura)						Data da publicitação no <i>website</i> : (data coincidente com a publicação efetiva no website da EG)			

(*) - 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 "Tetracloroeteno e Tricloroeteno" 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 monocloraacético; 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 perfluorooctanóico (PFOA); Ácido perfluorononanoico (PFNA); Ácido perfluorodecanoico (PFDA); Ácido perfluoroundecanoico (PFUnDA); Ácido perfluorododecanoico (PFDoDA); Ácido perfluorotridecanoico (PFTrDA); Ácido perfluorobutanossulfônico (PFBS); Ácido perfluoropentanossulfônico (PFPS); Ácido perfluorohexanossulfônico (PFHxS); Ácido perfluoroheptanossulfônico (PFHpS); Ácido perfluorooctanoanossulfônico (PFOS); Ácido perfluorononanoanossulfônico (PFNS); Ácido perfluorodecanossulfônico (PFDS); Ácido perfluoroundecanossulfônico; Ácido perfluorododecanossulfônico; e, Ácido perfluorotridecanossulfônico.