

 APAL Águas Públicas em Atitude Serviços Integrados e Essenciais			DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE MANTEIGAS					1.º TRIMESTRE		
			ZONA DE ABASTECIMENTO Carvalheira abastece as freguesias Manteigas (Santa Maria) e Manteigas (São Pedro)					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) aprovado pela autoridade competente (ERSAR).										
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		
Escherichia coli (E. Coli)	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	0,62	0,85	---	---	3	3	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	6,9	6,9	---	---	1	1	100%	
Condutividade	2500	µS/cm a 20 °C	53,5	53,5	0	100%	1	1	100%	
Cor	20	mg/l PtCo	<5	<5	0	100%	1	1	100%	
Turvação	4	UNT	<0,5	<0,5	0	100%	1	1	100%	
Enterococos intestinais	0	N/100 ml	0	0	0	100%	1	1	100%	
Número de colónias a 22 °C	---	N/ml	<1	<1	---	---	1	1	100%	
Clostridium perfringens	0	N/100 ml	---	---	---	---	---	---	---	
Ácidos Haloacéticos (HAA) (*)	60	µg/l	---	---	---	---	---	---	---	
Alumínio	200	µg/L Al	---	---	---	---	---	---	---	
Amónio	0,50	mg/L NH ₄	---	---	---	---	---	---	---	
Antimónio ⁽¹⁾	10	µg/l Sb	---	---	---	---	---	---	---	
Arsénio ⁽¹⁾	10	µg/l As	---	---	---	---	---	---	---	
Benzeno ⁽¹⁾	1,0	µg/l	---	---	---	---	---	---	---	
Benzo(a)pireno	0,010	µg/l	---	---	---	---	---	---	---	
Bisfenol A	2,5	µg/l	---	---	---	---	---	---	---	
Boro ⁽¹⁾	1,5	mg/l B	---	---	---	---	---	---	---	
Bromatos ⁽¹⁾	10	µg/l BrO ₃	---	---	---	---	---	---	---	
Cádmio ⁽¹⁾	5,0	µg/l Cd	---	---	---	---	---	---	---	
Cálcio	---	mg/l Ca	---	---	---	---	---	---	---	
Clanetos ⁽¹⁾	50	µg/l CN	---	---	---	---	---	---	---	
Cloretos ⁽¹⁾	250	mg/l Cl	---	---	---	---	---	---	---	
Cloritos	0,25	mg/l ClO ₂	---	---	---	---	---	---	---	
Cloratos	0,25	mg/l ClO ₃	---	---	---	---	---	---	---	
Chumbo	10	µg/l Pb	---	---	---	---	---	---	---	
Cobre	2,0	mg/l Cu	---	---	---	---	---	---	---	
Crómio	50	µg/l Cr	---	---	---	---	---	---	---	
1,2 - dicloroetano ⁽¹⁾	3,0	µg/l	---	---	---	---	---	---	---	
Dureza total	---	mg/l CaCO ₃	---	---	---	---	---	---	---	
Ferro	200	µg/l Fe	---	---	---	---	---	---	---	
Fluoretos ⁽¹⁾	1,5	mg/l F	---	---	---	---	---	---	---	
Hidrocarbonetos Aromáticos Policíclicos (HAP) (*)	0,10	µg/l	---	---	---	---	---	---	---	
Magnésio	---	mg/l Mg	---	---	---	---	---	---	---	
Manganês	50	µg/l Mn	---	---	---	---	---	---	---	
Nitratos ⁽¹⁾	50	mg/l NO ₃	---	---	---	---	---	---	---	
Nitritos	0,50	mg/l NO ₂	---	---	---	---	---	---	---	
Mercurio ⁽¹⁾	1,0	µg/l Hg	---	---	---	---	---	---	---	
Níquel	20	µg/l Ni	---	---	---	---	---	---	---	
Oxidabilidade	5,0	mg/l O ₂	---	---	---	---	---	---	---	
Pesticidas - total ⁽¹⁾	0,50	µg/l	---	---	---	---	---	---	---	
	Dimetenamida-P	0,10	µg/l	---	---	---	---	---	---	
	M656PH051	0,10	µg/l	---	---	---	---	---	---	
	MCPA	0,10	µg/l	---	---	---	---	---	---	
	Glifosato	0,10	µg/l	---	---	---	---	---	---	
	AMPA	0,10	µg/l	---	---	---	---	---	---	
Potássio	---	mg/l K	---	---	---	---	---	---	---	
Selénio ⁽¹⁾	20	µg/l Se	---	---	---	---	---	---	---	
Sódio ⁽¹⁾	200	mg/l Na	---	---	---	---	---	---	---	
Sulfatos ⁽¹⁾	250	mg/l SO ₄	---	---	---	---	---	---	---	
Tetracloroeteno e Tricloroeteno (*) ⁽¹⁾	10	µg/l	---	---	---	---	---	---	---	
Soma de PFAS (*) ⁽¹⁾	0,10	µg/l	---	---	---	---	---	---	---	
Trihalometanos - total (THM) (*)	100	µg/l	---	---	---	---	---	---	---	
Urânio ⁽¹⁾	30	µg/l	---	---	---	---	---	---	---	
Alfa Total ⁽¹⁾	---	Bq/l	---	---	---	---	---	---	---	
Dose Indicativa ⁽¹⁾	0,10	mSv	---	---	---	---	---	---	---	
	Urânio 234	---	Bq/l	---	---	---	---	---	---	
	Urânio 238	---	Bq/l	---	---	---	---	---	---	
	Rádio 226	---	Bq/l	---	---	---	---	---	---	
	Polónio 210	---	Bq/l	---	---	---	---	---	---	
Radão	500	Bq/l	---	---	---	---	---	---	---	
NOTA (1): Parâmetros conservativos analisados pela entidade gestora em alta (Águas do Vale do Tejo, SA) que podem ser consultados em https://www.advt.pt .										
Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas corretivas) e ao parecer da Autoridade de Saúde:										
Não aplicável										
Nota: Os resultados analíticos apresentados evidenciam que a água distribuída está em conformidade com as normas de qualidade estabelecidas no Decreto-Lei n.º 69/2023 de 21 de agosto.										
O Presidente do Conselho de Administração:					Data da publicação no website da APAL-SIM					
 (Sérgio Fernando da Silva Costa)					22.06.2026					

(*) - 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 perfluorodecanóico (PFDA); Ácido perfluoroundecanóico (PFUnDA); Ácido perfluorododecanóico (PFDoDA); Ácido perfluorotridecanóico (PFTrDA); Ácido perfluorobutanossulfónico (PFBS); Ácido perfluoropentanossulfónico (PFPS); Ácido perfluorohexanossulfónico (PFHxS); Ácido perfluoroheptanossulfónico (PFHpS); Ácido perfluorooctanoanossulfónico (PFOS); Ácido perfluorononanoanossulfónico (PFNS); Ácido perfluorodecanossulfónico (PFDS); Ácido perfluoroundecanoanossulfónico; Ácido perfluorododecanossulfónico; e, Ácido perfluorotridecanossulfónico.

