

## Edital

N.º 55/DAFRH-DAAG/2022

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### CONTROLO DE QUALIDADE DA ÁGUA PARA CONSUMO HUMANO (REDE EM BAIXA) 4º TRIMESTRE DE 2021

ÁLVARO MANUEL BALSEIRO AMARO, Presidente da Câmara Municipal de Palmela:

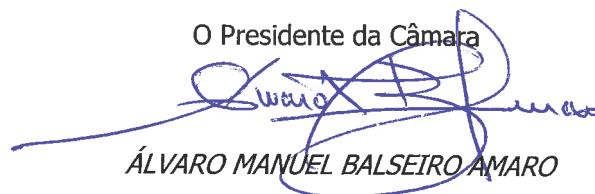
**Torna público**, nos termos do n.º 2, do artigo 17.º, do Decreto-Lei nº 306/2007, de 27 de agosto, alterado pelo Decreto-Lei nº 152/2017, de 7 de dezembro, os resultados gerais e os correspondentes a cada uma das dezoito zonas de abastecimento do Concelho (Águas de Moura; Aldeia Nova da Aroeira; Asseiceira/Forninho; Barra Cheia; Biscaia/Brejos do Assa; Cajados; Carrascas; Carregueira; Fernando Pó; Gâmbia; Golf do Montado; Lagoinha; Marquesas; Núcleos Rurais; Palmela; Pinhal Novo; Quinta do Anjo/Cabanas; Vila Amélia) das análises de demonstração de conformidade, obtidos em colheitas de água na rede pública de distribuição de água em baixa, de acordo com o Plano de Controlo de Qualidade da Água (PCQA), aprovado pela Entidade Reguladora dos Serviços de Águas e Resíduos (ERSAR), que se anexam ao presente edital.

Para constar se lavrou o presente edital e outros de igual teor que vão ser afixados nos lugares públicos do costume.

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Palmela, 17 de março de 2022.

O Presidente da Câmara



ÁLVARO MANUEL BALSEIRO AMARO





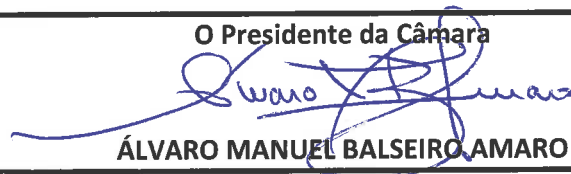
Alpha total (Bq/L)	0,10	---	---	---	---	---	---	---
Dose Indicativa total (mSv/yr)	0,10	---	---	---	---	---	---	---
Radão (Bq/L)	500,00	---	---	---	---	---	---	---
<b>Pesticidas</b>								
Bentazona (µg/L)	0,10	---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirifos (µg/L)	---	---	---	---	---	---	---	---
Desetil-terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	---	---	---	---	---	---	---	---
Imidaclopride (µg/L)	---	---	---	---	---	---	---	---
Metalaxil (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Desetil-simazina (µg/L)	---	---	---	---	---	---	---	---
Simazina (µg/L)	---	---	---	---	---	---	---	---

**NOTA 1: Zonas de abastecimento controladas: ÁGUAS DE MOURA**

**NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (CMPalmela)**

**Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): O valor de pH não se traduz em incumprimento real uma vez que é reflexo das características hidrogeológicas da água. A CMP obteve parecer favorável da ARS-LVT para não fazer correção de pH. Assim, valores de pH abaixo dos 6,5 devem ser registados como incumprimento mas não constituem qualquer preocupação do ponto de vista da qualidade da água para abastecimento humano**

O Presidente da Câmara



ÁLVARO MANUEL BALSEIRO AMARO

Data da publicação: 17/03/2022



Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Mercúrio (µg/L Hg)	1	---	---	---	---	---	---	---
Azoto Amoniacal (mg/L NH <sub>4</sub> )	0,50	---	---	---	---	---	---	---
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	<3	<3	0	100%	3	3	100%
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Dureza total (mg/L CaCO <sub>3</sub> )	---	---	---	---	---	---	---	---
Oxidabilidade (mg/L O <sub>2</sub> )	5	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO <sub>3</sub> )	10	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Selénio (µg/L Se)	10	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	<3	<3	0	100%	3	3	100%
COV		---	---	---	---	---	---	---
1,2 – dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodichlorometano(µg/L)	---	---	---	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Tricloroetano(µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L)	100	---	---	---	---	---	---	---
Tetracloroetano(µg/L)	---	---	---	---	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
HPA	0,100	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---

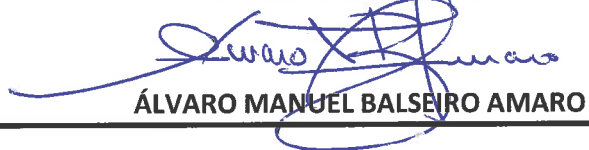
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L):	0,10	---	---	---	---	---	---	---
<b>Pesticidas</b>		---	---	---	---	---	---	---
Bentazona (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirifos(µg/L)								
Metalaxil(µg/L)		---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Diurão(µg/L)		---	---	---	---	---	---	---
Desetil-terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Imidaclopride (µg/L)	-	---	---	---	---	---	---	---
Simazina (µg/L)	-	---	---	---	---	---	---	---
Desetilsimazina (µg/L)	-	---	---	---	---	---	---	---
<b>Radiológicos</b>		---	---	---	---	---	---	---
Radão (Bq/L)	500	---	---	---	---	---	---	---
Dose Indicativa total (mSv/yr)	0,1	---	---	---	---	---	---	---
Alpha total (Bq/L)	0,1	---	---	---	---	---	---	---

NOTA 1: Zonas de abastecimento controladas: ALDEIA NOVA DA AROEIRA

NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (CM PALMELA)

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): O valor de pH não se traduz em incumprimento real uma vez que é reflexo das características hidrogeológicas da água. A CMP obteve parecer favorável da ARS-LVT para não fazer correção de pH. Assim, valores de pH abaixo dos 6,5 devem ser registados como incumprimento mas não constituem qualquer preocupação do ponto de vista da qualidade da água para abastecimento humano

O Presidente da Câmara

  
ÁLVARO MANUEL BALSEIRO AMARO

Data da publicação: 17/03/2022

CÂMARA MUNICIPAL DE PALMELA	CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO DE ASSEICEIRA-FORNINHO DO CONCELHO DE PALMELA					4º TRIMESTRE 2021		
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei nº152/2017, de 7 de dezembro, 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).						01 de Outubro a 31 de Dezembro		
Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, incluindo alterações introduzidas pelo DL 152/2017	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
<i>Escherichia coli</i> (N/100 ml)	0	0	0	0	100%	2	2	100%
Bactérias coliformes (N/100 ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg/L)	---	0,3	0,6	0	100%	2	5	250%
Cheiro a 25°C (Factor de diluição)	3	<3	<3	0	100%	2	2	100%
Sabor a 25°C (Factor de diluição)	3	<3	<3	0	100%	2	2	100%
pH (Unidades pH)	≥6,5 e ≤9	5,6	6,1	0	100%	2	2	100%
Condutividade (µS/cm a 20°C)	2500	213	214	0	100%	2	2	100%
Cor (mg/L PtCo)	20	<5	<5	0	100%	2	2	100%
Turvação (NTU)	4	<0,7	<0,7	0	100%	2	2	100%
Enterococos (N/100 mL)	0	0	0	0	100%	2	2	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	ND	13	0	100%	2	2	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	ND	12	0	100%	2	2	100%
<i>Clostridium perfringens</i> (N/100ml)	0	0	0	0	100%	1	1	100%
Antimónio (µg/L Sb)	5	<1	<1	0	100%	1	1	100%
Arsénio (µg/L As)	10	<2	<2	0	100%	1	1	100%
Nitratos <sup>2</sup> (mg/L NO <sub>3</sub> )	50	10,9	10,9	0	100%	1	1	100%
Azoto Amoniacal (mg/L NH <sub>4</sub> )	0,50	<0,05	<0,05	0	100%	1	1	100%
Nitritos (mg/L NO <sub>2</sub> )	0,5	<0,02	<0,02	0	100%	1	1	100%
Boro (mg/L B)	1,0	<0,2	<0,2	0	100%	1	1	100%
Cianetos (µg/L CN)	50	<10	<10	0	100%	1	1	100%





Crômio (µg/L Cr)	50	<1	<1	0	100%	1	1	100%
Oxidabilidade (mg/L O <sub>2</sub> )	5	<1	<1	0	100%	1	1	100%
Manganês (µg/L Mn)	50	<10	<10	0	100%	1	1	100%
Mercúrio (µg/L Hg)	1	<0,020	<0,020	0	100%	1	1	100%
Cálcio (mg/L Ca)	---	6,6	6,6	0	100%	1	1	100%
Níquel (µg/L Ni)	20	<5	33,1	1	75%	1	4	400%
Magnésio (mg/L Mg)	---	4,7	4,7	0	100%	1	1	100%
Alumínio (µg/L Al)	200	<50	<50	0	100%	1	1	100%
Ferro (µg/L Fe)	200	<50	<50	0	100%	1	2	200%
Fluoretos (mg/L F)	1,5	<0,4	<0,4	0	100%	1	1	100%
Cloretos (mg/L Cl)	250	44	44	0	100%	1	1	100%
Cádmio (µg/L Cd)	5,0	<0,4	<0,4	0	100%	1	1	100%
Cobre (mg/L Cu)	2,0	0,06	0,06	0	100%	1	1	100%
Chumbo (µg/L Pb)	10	<3	23	1	75%	1	4	400%
Sódio (mg/L Na)	200	28,4	28,4	0	100%	1	1	100%
Bromatos (µg/L BrO <sub>3</sub> )	10	<3	<3	0	100%	1	1	100%
Sulfatos (mg/L SO <sub>4</sub> )	250	7,9	7,9	0	100%	1	1	100%
Dureza total (mg/L CaCO <sub>3</sub> )	---	35,8	35,8	0	100%	1	1	100%
Selênio (µg/L Se)	10	<2	<2	0	100%	1	1	100%
<b>Pesticidas</b>								
Bentazona (µg/L)	0,10	<0,03	<0,03	0	100%	2	2	100%
Alacloro (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Clorpirifos (µg/L)	---	<0,03	<0,03	0	100%	1	1	100%
Desetil-terbutilazina (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Diurão (µg/L)	---	<0,03	<0,03	0	100%	1	1	100%
Imidaclopride (µg/L)	---	<0,03	<0,03	0	100%	1	1	100%
Metalaxil (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Terbutilazina (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Desetil-simazina (µg/L)	---	<0,03	<0,03	0	100%	1	1	100%
Simazina (µg/L)	---	<0,03	<0,03	0	100%	1	1	100%
<b>COV</b>								
1,2 – dicloroetano (µg/L)	3,0	<0,750	<0,750	0	100%	1	1	100%
Benzeno (µg/L)	1,0	<0,20	<0,20	0	100%	1	1	100%
Bromodiclorometano(µg/L)	---	<0,10	<0,10	0	100%	1	1	100%
Bromofórmio(µg/L)	---	1,56	1,56	0	100%	1	1	100%



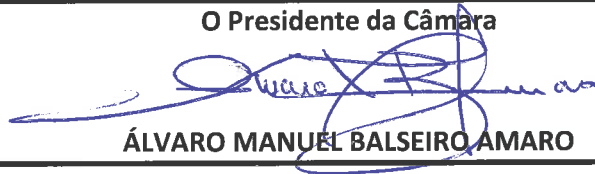
Clorofórmio(µg/L)	---	<0,10	<0,10	0	100%	1	1	100%
Dibromoclorometano(µg/L)	---	0,29	0,29	0	100%	1	1	100%
Tetracloroeteno e Tricloroeteno (µg/L):	10	<0,20	<0,20	0	100%	1	1	100%
Tricloroeteno(µg/L)	---	<0,10	<0,10	0	100%	1	1	100%
Trihalometanos - total (µg/L):	100	1,85	1,85	0	100%	1	1	100%
Tetracloroeteno(µg/L)	---	<0,20	<0,20	0	100%	1	1	100%
<b>HAP</b>								
Benzo(b)fluoranteno (µg/L)	---	<0,020	<0,020	0	100%	1	1	100%
Benzo(k)fluoranteno (µg/L)	---	<0,020	<0,020	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0,010	<0,005	<0,005	0	100%	1	1	100%
Benzo(ghi)perileno (µg/L)	---	<0,020	<0,020	0	100%	1	1	100%
Indeno(1,2,3-cd)pireno(µg/L)	---	<0,020	<0,020	0	100%	1	1	100%
bonetos Aromáticos Policíclicos (µg/L):	0,10	<0,020	<0,020	0	100%	1	1	100%
<b>Radiológicos</b>								
Radão (Bq/L)	500	<10	<10	0	100%	1	1	100%
Alpha total (Bq/L)	0,10	0,05	0,05	0	100%	1	1	100%
Dose Indicativa total (mSv/yr)	0,10	<0,1	<0,1	0	100%	1	1	100%

**NOTA 1: Zonas de abastecimento controladas: ASSEICEIRA / FORNINHO**

**NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (CM BARREIRO )**

**Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): O valor de pH não se traduz**

O Presidente da Câmara



ÁLVARO MANUEL BALSEIRO AMARO

Data da publicitação: 17/03/2022

CÂMARA MUNICIPAL DE PALMELA	CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO DE BARRA CHEIA DO CONCELHO DE PALMELA					4º TRIMESTRE 2021		
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 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).						01 de Outubro a 31 de Dezembro		
Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
<i>Escherichia coli</i> (N/100 ml)	0	0	0	0	100%	1	1	100%
Bactérias coliformes (N/100 ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg/L)		0,6	0,6	0	100%	1	1	100%
Cheiro a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
Sabor a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9	6,3	6,3	0	100%	1	1	100%
Condutividade (µS/cm a 20°C)	2500	112	112	0	100%	1	1	100%
Cor (mg/L PtCo)	20	<5	<5	0	100%	1	1	100%
Turvação (NTU)	4	0,71	0,71	0	100%	1	1	100%
Enterococos (N/100 mL)	0	0	0	0	100%	1	1	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	ND	ND	0	100%	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	ND	ND	0	100%	1	1	100%
<i>Clostridium perfringens</i> (N/100ml)	0	---	---	---	---	---	---	---
Nitratos <sup>2</sup> (mg/L NO <sub>3</sub> )	50	---	---	---	---	---	---	---
Nitritos (mg/L NO <sub>2</sub> )	0,5	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Sulfatos (mg/L SO <sub>4</sub> )	250	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Mercúrio (µg/L Hg)	1	---	---	---	---	---	---	---
Azoto Amoniacal (mg/L NH <sub>4</sub> )	0,50	---	---	---	---	---	---	---
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---

Crômio (µg/L Cr)	50	---	---	---	---	---	---	---
Antimônio (µg/L Sb)	5	---	---	---	---	---	---	---
Arsênio (µg/L As)	10	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Dureza total (mg/L CaCO3)	---	---	---	---	---	---	---	---
Oxidabilidade (mg/L O <sub>2</sub> )	5	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO <sub>3</sub> )	10	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Selênio (µg/L Se)	10	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
COV								
1,2 – dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	---	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Tricloroetano(µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L)	100	---	---	---	---	---	---	---
Tetracloroetano(µg/L)	---	---	---	---	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
HPA	0,100	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
Carbonetos Aromáticos Policíclicos (µg/L):	0,10	---	---	---	---	---	---	---
Pesticidas								



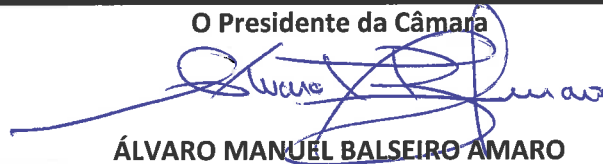
Bentazona (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirifos(µg/L)		---	---	---	---	---	---	---
Metalaxil(µg/L)		---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Diurão(µg/L)		---	---	---	---	---	---	---
Desetil-terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Imidaclopride (µg/L)	-	---	---	---	---	---	---	---
Simazina (µg/L)	-	---	---	---	---	---	---	---
Desetilsimazina (µg/L)	-	---	---	---	---	---	---	---
<b>Radiológicos</b>								
Radão (Bq/L)	500	---	---	---	---	---	---	---
Dose Indicativa total (mSv/yr)	0,1	---	---	---	---	---	---	---
Alpha total (Bq/L)	0,1	---	---	---	---	---	---	---

**NOTA 1: Zonas de abastecimento controladas: BARRA CHEIA**

**NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (CM BARREIRO )**

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): O valor de pH não se traduz em incumprimento real uma vez que é reflexo das características hidrogeológicas da água. A CMP obteve parecer favorável da ARS-LVT para não fazer correção de pH. Assim, valores de pH abaixo dos 6,5 devem ser registados como incumprimento mas não constituem qualquer preocupação do ponto de vista da qualidade da água para abastecimento humano

O Presidente da Câmara



ÁLVARO MANUEL BALSEIRO AMARO

Data da publicação: 17/03/2022



Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Crômio (µg/L Cr)	50	---	---	---	---	---	---	---
Oxidabilidade (mg/L O <sub>2</sub> )	5	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Mercurio (µg/L Hg)	1	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Bromatos (µg/L BrO <sub>3</sub> )	10	---	---	---	---	---	---	---
Sulfatos (mg/L SO <sub>4</sub> )	250	---	---	---	---	---	---	---
Dureza total (mg/L CaCO <sub>3</sub> )	---	---	---	---	---	---	---	---
Selênio (µg/L Se)	10	---	---	---	---	---	---	---
<b>Pesticidas</b>								
Bentazona (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirifos (µg/L)	---	---	---	---	---	---	---	---
Desetil-terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	---	---	---	---	---	---	---	---
Imidaclopride (µg/L)	---	---	---	---	---	---	---	---
Metalaxil (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Desetil-simazina (µg/L)	---	---	---	---	---	---	---	---
Simazina (µg/L)	---	---	---	---	---	---	---	---
<b>COV</b>								
1,2 – dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	---	---	---	---	---	---



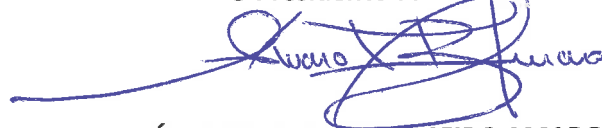
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	---	---	---	---	---	---
Tetracloroeteno e Tricloroeteno (µg/L):	10	---	---	---	---	---	---	---
Tricloroeteno(µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Tetracloroeteno(µg/L)	---	---	---	---	---	---	---	---
<b>HAP</b>								
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
drocarbonetos Aromáticos Policíclicos (µg/L):	0,10	---	---	---	---	---	---	---
<b>Radiológicos</b>								
Alpha total (Bq/L)	0,10	---	---	---	---	---	---	---
Dose Indicativa total (mSv/yr)	0,10	---	---	---	---	---	---	---
Radão (Bq/L)	500,00	---	---	---	---	---	---	---

NOTA 1: Zonas de abastecimento controladas: BISCAIA/BREJOS DO ASSA

NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (CM PALMELA )

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): O valor de pH não se traduz em incumprimento real uma vez que é reflexo das características hidrogeológicas da água. A CMP obteve parecer favorável da ARS-LVT para não fazer correção de pH. Assim, valores de pH abaixo dos 6,5 devem ser registados como incumprimento mas não constituem qualquer preocupação do ponto de vista da qualidade da água para abastecimento humano

O Presidente da Câmara



ÁLVARO MANUEL BALSEIRO AMARO

Data da publicação: 17/03/2022



CÂMARA MUNICIPAL DE PALMELA	CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO DE CAJADOS DO CONCELHO DE PALMELA					4º TRIMESTRE 2021		
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei nº152/2017, de 7 de dezembro, 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).						01 de Outubro a 31 de Dezembro		
Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, incluindo alterações introduzidas pelo DL 152/2017)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
<i>Escherichia coli</i> (N/100 ml)	0	0	0	0	100%	1	1	100%
Bactérias coliformes (N/100 ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg/L)	---	0,4	0,5	0	100%	1	1	100%
Cheiro a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
Sabor a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9	6,1	6,1	0	100%	1	1	100%
Condutividade (µS/cm a 20°C)	2500	164	164	0	100%	1	1	100%
Cor (mg/L PtCo)	20	<5	<5	0	100%	1	1	100%
Turvação (NTU)	4	<0,7	<0,7	0	100%	1	1	100%
Enterococos (N/100 mL)	0	0	0	0	100%	1	1	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	ND	ND	0	100%	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	ND	ND	0	100%	1	1	100%
<i>Clostridium perfringens</i> (N/100ml)	0	---	---	---	---	---	---	---
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5	---	---	---	---	---	---	---
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
Mercúrio (µg/L Hg)	1	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---



Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Nitratos <sup>2</sup> (mg/L NO <sub>3</sub> )	50	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Oxidabilidade (mg/L O <sub>2</sub> )	5	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Nitritos (mg/L NO <sub>2</sub> )	0,5	---	---	---	---	---	---	---
Azoto Amoniacal (mg/L NH <sub>4</sub> )	0,50	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Sulfatos (mg/L SO <sub>4</sub> )	250	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Bromatos (µg/L BrO <sub>3</sub> )	10	---	---	---	---	---	---	---
Dureza total (mg/L CaCO <sub>3</sub> )	---	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Selênio (µg/L Se)	10	---	---	---	---	---	---	---
<b>Pesticidas</b>								
Bentazona (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Clorpirifos (µg/L)	---	---	---	---	---	---	---	---
Metalaxil (µg/L)	0,10	---	---	---	---	---	---	---
Alacloro (µg/L)	---	---	---	---	---	---	---	---
Diurão (µg/L)	---	---	---	---	---	---	---	---
Desetil-terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Imidaclopride (µg/L)	---	---	---	---	---	---	---	---
Simazina (µg/L)	---	---	---	---	---	---	---	---
Desetil-simazina (µg/L)	---	---	---	---	---	---	---	---
<b>COV</b>								
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
1,2 – dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	---	---	---	---	---	---



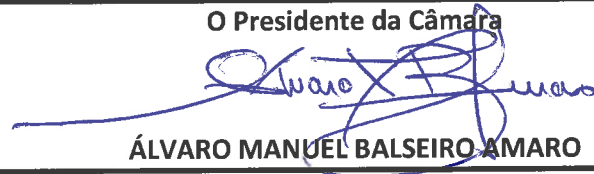
Dibromoclorometano( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Bromofórmio( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Tricloroeteno( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Trihalometanos - total ( $\mu\text{g/L}$ ):	100	---	---	---	---	---	---	---
Tetracloroeteno( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Tetracloroeteno e Tricloroeteno ( $\mu\text{g/L}$ ):	10	---	---	---	---	---	---	---
<b>HAP</b>								
Benzo(b)fluoranteno ( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno ( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Benzo(a)pireno ( $\mu\text{g/L}$ )	0,010	---	---	---	---	---	---	---
Benzo(ghi)perileno ( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
bonetos Aromáticos Policíclicos ( $\mu\text{g/L}$ ):	0,10	---	---	---	---	---	---	---
<b>Radiológicos</b>								
Alpha total (Bq/L)	0,10	---	---	---	---	---	---	---
Dose Indicativa total (mSv/yr)	0,10	---	---	---	---	---	---	---
Radão (Bq/L)	500,00	---	---	---	---	---	---	---

**NOTA 1: Zonas de abastecimento controladas: CAJADOS**

**NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (CM PALMELA)**

**Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): O valor de pH não se traduz em incumprimento real uma vez que é reflexo das características hidrogeológicas da água e uma vez que a CMP obteve parecer favorável da ARS-LVT para não fazer correção de pH. Assim, valores de pH abaixo dos 6,5 devem ser registados como incumprimento mas não constituem qualquer preocupação do ponto de vista da qualidade da água para abastecimento humano**

O Presidente da Câmara



ÁLVARO MANUEL BALSEIRO AMARO

Data da publicação: 17/03/2022

CÂMARA MUNICIPAL DE PALMELA	CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO CARRASCAS DO CONCELHO DE PALMELA					4º TRIMESTRE 2021		
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei nº152/2017, de 7 de dezembro, 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).						01 de Outubro a 31 de Dezembro		
Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, incluindo alterações introduzidas pelo DL 152/2017)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
<i>Escherichia coli</i> (N/100 ml)	0	0	0	0	100%	5	5	100%
Bactérias coliformes (N/100 ml)	0	0	0	0	100%	5	5	100%
Desinfetante residual (mg/L)		0,2	0,8	0	100%	5	5	100%
Cheiro a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
Sabor a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9	7,2	7,2	0	100%	1	1	100%
Condutividade (µS/cm a 20°C)	2500	415	415	0	100%	1	1	100%
Cor (mg/L PtCo)	20	<5	<5	0	100%	1	1	100%
Turvação (NTU)	4	<0,7	<0,7	0	100%	1	1	100%
Enterococos (N/100 mL)	0	0	0	0	100%	1	1	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	48	48	0	100%	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	38	38	0	100%	1	1	100%
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5	---	---	---	---	---	---	---
Azoto Amoniacal (mg/L NH <sub>4</sub> )	0,50	---	---	---	---	---	---	---
<i>Clostridium perfringens</i> (N/100ml)	0	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---



Nitratos <sup>2</sup> (mg/L NO <sub>3</sub> )	50	---	---	---	---	---	---	---
Nitritos (mg/L NO <sub>2</sub> )	0,5	---	---	---	---	---	---	---
Oxidabilidade (mg/L O <sub>2</sub> )	5	---	---	---	---	---	---	---
Cianetos	50	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO <sub>3</sub> )	10	---	---	---	---	---	---	---
Dureza total (mg/L CaCO <sub>3</sub> )	---	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Selénio (µg/L Se)	10	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Sulfatos (mg/L SO <sub>4</sub> )	250	---	---	---	---	---	---	---
Mercúrio (µg/L Hg)	1	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Hidrocarbonetos Aromáticos Policíclico	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Tricloroeteno(µg/L)	---	---	---	---	---	---	---	---
1,2 – dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Tetracloroeteno(µg/L)	---	---	---	---	---	---	---	---
Tetracloroeteno e Tricloroeteno (µg/L):	10	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---



Bromodiclorometano( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Dibromoclorometano( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
<b>Radiológicos</b>								
Alpha total (Bq/L)	0,10	---	---	---	---	---	---	---
Dose Indicativa total (mSv/yr)	0,10	---	---	---	---	---	---	---
Radão (Bq/L)	500,00	---	---	---	---	---	---	---
<b>Pesticidas</b>								
Bentazona ( $\mu\text{g/L}$ )	0,10	---	---	---	---	---	---	---
Alacloro ( $\mu\text{g/L}$ )	0,10	---	---	---	---	---	---	---
Clorpirifos ( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Desetil-terbutilazina ( $\mu\text{g/L}$ )	0,10	---	---	---	---	---	---	---
Diurão ( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Imidaclopride ( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Metalaxil ( $\mu\text{g/L}$ )	0,10	---	---	---	---	---	---	---
Terbutilazina ( $\mu\text{g/L}$ )	0,10	---	---	---	---	---	---	---
Desetil-simazina ( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Simazina ( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---

NOTA 1: Zonas de abastecimento controladas: CARRASCAS

NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (CMPalmela)

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas):

O Presidente da Câmara

ÁLVARO MANUEL BALSEIRO AMARO

Data da publicação: 17/03/2022

CÂMARA MUNICIPAL DE PALMELA	CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO: CARREGUEIRA DO CONCELHO DE PALMELA					4º TRIMESTRE 2021		
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei nº152/2017, de 7 de dezembro, 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).						01 de Outubro a 31 de Dezembro		
Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, incluindo alterações introduzidas pelo DL 152/2017)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
<i>Escherichia coli</i> (N/100 ml)	0	0	0	0	100%	4	4	100%
Bactérias coliformes (N/100 ml)	0	0	0	0	100%	4	4	100%
Desinfetante residual (mg/L)		0,1	0,5	0	100%	4	4	100%
Cheiro a 25°C (Factor de diluição)	3	<3	<3	0	100%	2	2	100%
Sabor a 25°C (Factor de diluição)	3	<3	<3	0	100%	2	2	100%
pH (Unidades pH)	≥6,5 e ≤9	7,3	7,3	0	100%	2	2	100%
Condutividade (µS/cm a 20°C)	2500	321	365	0	100%	2	2	100%
Cor (mg/L PtCo)	20	<5	<5	0	100%	2	2	100%
Turvação (NTU)	4	<0,7	<0,7	0	100%	2	2	100%
Enterococos (N/100 mL)	0	0	0	0	100%	2	2	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	ND	13	0	100%	2	2	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	ND	12	0	100%	2	2	100%
<i>Clostridium perfringens</i> (N/100ml)	0	0	0	0	100%	1	1	100%
Antimónio (µg/L Sb)	5	<1	<1	0	100%	1	1	100%
Arsénio (µg/L As)	10	<2	<2	0	100%	1	1	100%
Nitratos <sup>2</sup> (mg/L NO <sub>3</sub> )	50	3,22	3,22	0	100%	1	1	100%
Azoto Amoniacal (mg/L NH <sub>4</sub> )	0,50	<0,05	<0,05	0	100%	1	1	100%
Nitritos (mg/L NO <sub>2</sub> )	0,5	<0,02	<0,02	0	100%	1	1	100%
Boro (mg/L B)	1,0	<0,2	<0,2	0	100%	1	1	100%
Cianetos (µg/L CN)	50	<10	<10	0	100%	1	1	100%
Crómio (µg/L Cr)	50	<1	<1	0	100%	1	1	100%



Oxidabilidade (mg/L O <sub>2</sub> )	5	<1	<1	0	100%	1	1	100%
Manganês (µg/L Mn)	50	<10	<10	0	100%	1	1	100%
Mercúrio (µg/L Hg)	1	<0,020	<0,020	0	100%	1	1	100%
Cálcio (mg/L Ca)	---	52,9	52,9	0	100%	1	1	100%
Níquel (µg/L Ni)	20	<5	<5	0	100%	1	1	100%
Magnésio (mg/L Mg)	---	6,2	6,2	0	100%	1	1	100%
Alumínio (µg/L Al)	200	<50	<50	0	100%	1	1	100%
Ferro (µg/L Fe)	200	<50	<50	0	100%	1	2	200%
Fluoretos (mg/L F)	1,5	<0,4	<0,4	0	100%	1	1	100%
Cloretos (mg/L Cl)	250	30	30	0	100%	1	1	100%
Cádmio (µg/L Cd)	5,0	<0,4	<0,4	0	100%	1	1	100%
Cobre (mg/L Cu)	2,0	<0,010	<0,010	0	100%	1	1	100%
Chumbo (µg/L Pb)	10	<3	<3	0	100%	1	1	100%
Sódio (mg/L Na)	200	21,1	21,1	0	100%	1	1	100%
Bromatos (µg/L BrO <sub>3</sub> )	10	<5	<5	0	100%	1	1	100%
Sulfatos (mg/L SO <sub>4</sub> )	250	10	10	0	100%	1	1	100%
Dureza total (mg/L CaCO <sub>3</sub> )	---	158	158	0	100%	1	1	100%
Selênio (µg/L Se)	10	<2	<2	0	100%	1	1	100%
<b>Pesticidas</b>								
Bentazona (µg/L)	0,10	<0,03	<0,03	0	100%	2	2	100%
Alacloro (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Clorpirifos (µg/L)	---	<0,03	<0,03	0	100%	1	1	100%
Desetil-terbutilazina (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Diurão (µg/L)	---	<0,03	<0,03	0	100%	1	1	100%
Imidaclopride (µg/L)	---	<0,03	<0,03	0	100%	1	1	100%
Metalaxil (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Terbutilazina (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Desetil-simazina (µg/L)	---	<0,03	<0,03	0	100%	1	1	100%
Simazina (µg/L)	---	<0,03	<0,03	0	100%	1	1	100%
<b>COV</b>								
1,2 – dicloroetano (µg/L)	3,0	<0,750	<0,750	0	100%	1	1	100%
Benzeno (µg/L)	1,0	<0,20	<0,20	0	100%	1	1	100%
Bromodiclorometano(µg/L)	---	<0,10	<0,10	0	100%	1	1	100%
Bromofórmio(µg/L)	---	0,72	0,72	0	100%	1	1	100%
Clorofórmio(µg/L)	---	<0,10	<0,10	0	100%	1	1	100%





Dibromoclorometano( $\mu\text{g/L}$ )	---	0,27	0,27	0	100%	1	1	100%
Tetracloroetano e Tricloroetano ( $\mu\text{g/L}$ ):	10	<0,20	<0,20	0	100%	1	1	100%
Tricloroetano( $\mu\text{g/L}$ )	---	<0,10	<0,10	0	100%	1	1	100%
Trihalometanos - total ( $\mu\text{g/L}$ ):	100	0,99	0,99	0	100%	1	1	100%
Tetracloroetano( $\mu\text{g/L}$ )	---	<0,20	<0,20	0	100%	1	1	100%
<b>HAP</b>								
Benzo(b)fluoranteno ( $\mu\text{g/L}$ )	---	<0,020	<0,020	0	100%	1	1	100%
Benzo(k)fluoranteno ( $\mu\text{g/L}$ )	---	<0,020	<0,020	0	100%	1	1	100%
Benzo(a)pireno ( $\mu\text{g/L}$ )	0,010	<0,005	<0,005	0	100%	1	1	100%
Benzo(ghi)perileno ( $\mu\text{g/L}$ )	---	<0,020	<0,020	0	100%	1	1	100%
Indeno(1,2,3-cd)pireno( $\mu\text{g/L}$ )	---	<0,020	<0,020	0	100%	1	1	100%
Carbonetos Aromáticos Policíclicos ( $\mu\text{g/L}$ ):	0,10	<0,020	<0,020	0	100%	1	1	100%
<b>Radiológicos</b>								
Radão (Bq/L)	500	<10	<10	0	100%	1	1	100%
Alpha total (Bq/L)	0,10	0,06	0,06	0	100%	1	1	100%
Dose Indicativa total (mSv/yr)	0,10	<0,1	<0,1	0	100%	1	1	100%

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas):

O Presidente da Câmara

  
ÁLVARO MANUEL BALSEIRO AMARO

Data da publicação: 17/03/2022

CÂMARA MUNICIPAL DE PALMELA	CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO FERNANDO PÓ DO CONCELHO DE PALMELA					4º TRIMESTRE 2021		
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei nº152/2017, de 7 de dezembro, 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).						01 de Outubro a 31 de Dezembro		
Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, incluindo alterações introduzidas pelo DL 152/2017)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
<i>Escherichia coli</i> (N/100 ml)	0	0	0	0	100%	2	2	100%
Bactérias coliformes (N/100 ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg/L)		0,1	0,3	0	100%	2	2	100%
Cheiro a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
Sabor a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9	5,2	5,2	0	100%	1	1	100%
Condutividade (µS/cm a 20°C)	2500	162	162	0	100%	1	1	100%
Cor (mg/L PtCo)	20	<5	<5	0	100%	1	1	100%
Turvação (NTU)	4	<0,7	<0,7	0	100%	1	1	100%
Enterococos (N/100 mL)	185	0	0	0	100%	1	1	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	ND	ND	0	100%	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	ND	ND	0	100%	1	1	100%
<i>Clostridium perfringens</i> (N/100ml)	0	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Nitratos <sup>2</sup> (mg/L NO <sub>3</sub> )	50	---	---	---	---	---	---	---
Azoto Amoniacal (mg/L NH <sub>4</sub> )	0,50	---	---	---	---	---	---	---
Nitritos (mg/L NO <sub>2</sub> )	0,5	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---

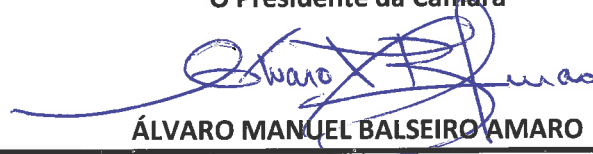


Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	---	---	---	---	---	---
Tetracloroeteno e Tricloroeteno (µg/L):	10	---	---	---	---	---	---	---
Tricloroeteno(µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Tetracloroeteno(µg/L)	---	---	---	---	---	---	---	---
<b>HAP</b>								
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
carbonetos Aromáticos Policíclicos (µg/L):	0,10	---	---	---	---	---	---	---
<b>Radiológicos</b>								
Alpha total (Bq/L)	0,10	---	---	---	---	---	---	---
Radão (Bq/L)	500,00	---	---	---	---	---	---	---
Dose Indicativa total (mSv/yr)	0,10	---	---	---	---	---	---	---

NOTA 1: Zonas de abastecimento controladas: FERNANDO PÓ

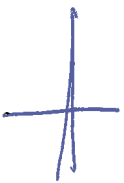
NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (CM PALMELA )

O Presidente da Câmara

  
ÁLVARO MANUEL BALSEIRO AMARO

Data da publicação: 17/03/2022

CÂMARA MUNICIPAL DE PALMELA		CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO: GÂMBIA DO CONCELHO DE PALMELA				4º TRIMESTRE 2021		
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei nº152/2017, de 7 de dezembro, 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).						01 de Outubro a 31 de Dezembro		
Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, incluindo alterações introduzidas pelo DL 152/2017)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Desinfetante residual (mg/L)	---	0,3	0,4	0	100%	2	2	100%
<i>Escherichia coli</i> (N/100 ml)	0	0	0	0	100%	2	2	100%
Bactérias coliformes (N/100 ml)	0	0	0	0	100%	2	2	100%
Cheiro a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
Sabor a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9	5,9	5,9	0	100%	1	1	100%
Condutividade (µS/cm a 20°C)	2500	165	165	0	100%	1	1	100%
Cor (mg/L PtCo)	20	<5	<5	0	100%	1	1	100%
Turvação (NTU)	4	<0,7	<0,7	0	100%	1	1	100%
Enterococos (N/100 mL)	0	0	0	0	100%	1	1	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	ND	ND	0	100%	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	ND	ND	0	100%	1	1	100%
<i>Clostridium perfringens</i> (N/100ml)	0	0	0	0	100%	1	1	100%
Antimónio (µg/L Sb)	5	<1	<1	0	100%	1	1	100%
Arsénio (µg/L As)	10	2	2	0	100%	1	1	100%
Nitratos <sup>2</sup> (mg/L NO <sub>3</sub> )	50	17,4	17,4	0	100%	1	1	100%
Azoto Amoniacal (mg/L NH <sub>4</sub> )	0,50	<0,05	<0,05	0	100%	1	1	100%
Nitritos (mg/L NO <sub>2</sub> )	0,5	<0,02	<0,02	0	100%	1	1	100%
Boro (mg/L B)	1,0	<0,2	<0,2	0	100%	1	1	100%



Cianetos (µg/L CN)	50	<10	<10	0	100%	1	1	100%
Crômio (µg/L Cr)	50	<1	<1	0	100%	1	1	100%
Oxidabilidade (mg/L O <sub>2</sub> )	5	<1	<1	0	100%	1	1	100%
Manganês (µg/L Mn)	50	<10	<10	0	100%	1	1	100%
Mercúrio (µg/L Hg)	1	<0,020	<0,020	0	100%	1	1	100%
Cálcio (mg/L Ca)	---	7,2	7,2	0	100%	1	1	100%
Níquel (µg/L Ni)	20	12,9	12,9	0	100%	1	1	100%
Magnésio (mg/L Mg)	---	3,9	3,9	0	100%	1	1	100%
Alumínio (µg/L Al)	200	<50	<50	0	100%	1	1	100%
Ferro (µg/L Fe)	200	<50	<50	0	100%	1	2	200%
Fluoretos (mg/L F)	1,5	<0,4	<0,4	0	100%	1	1	100%
Cloretos (mg/L Cl)	250	31	31	0	100%	1	1	100%
Cádmio (µg/L Cd)	5,0	<0,4	<0,4	0	100%	1	1	100%
Cobre (mg/L Cu)	2,0	0,05	0,05	0	100%	1	1	100%
Chumbo (µg/L Pb)	10	32,5	32,5	1	0%	1	1	100%
Sódio (mg/L Na)	200	21,9	21,9	0	100%	1	1	100%
Bromatos (µg/L BrO <sub>3</sub> )	10	<5	<5	0	100%	1	1	100%
Sulfatos (mg/L SO <sub>4</sub> )	250	5,3	5,3	0	100%	1	1	100%
Dureza total (mg/L CaCO <sub>3</sub> )	---	34,1	34,1	0	100%	1	1	100%
Selênio (µg/L Se)	10	<2	<2	0	100%	1	1	100%
<b>Pesticidas</b>								
Bentazona (µg/L)	0,10	<0,03	<0,03	0	100%	2	2	100%
Alacloro (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Clorpirifos (µg/L)	---	<0,03	<0,03	0	100%	1	1	100%
Desetil-terbutilazina (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Diurão (µg/L)	---	<0,03	<0,03	0	100%	1	1	100%
Imidaclopride (µg/L)	---	<0,03	<0,03	0	100%	1	1	100%
Metalaxil (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Terbutilazina (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Desetil-simazina (µg/L)	---	<0,03	<0,03	0	100%	1	1	100%
Simazina (µg/L)	---	<0,03	<0,03	0	100%	1	1	100%
<b>COV</b>								
1,2 – dicloroetano (µg/L)	3,0	<0,750	<0,750	0	100%	1	1	100%
Benzeno (µg/L)	1,0	<0,20	<0,20	0	100%	1	1	100%

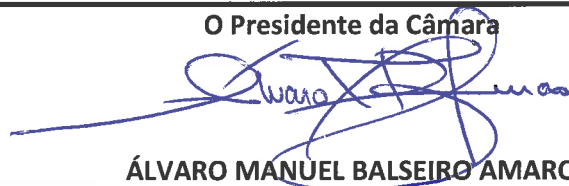
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Bromodiclorometano( $\mu\text{g/L}$ )	---	0,21	0,21	0	100%	1	1	100%
Bromofórmio( $\mu\text{g/L}$ )	---	1,36	1,36	0	100%	1	1	100%
Clorofórmio( $\mu\text{g/L}$ )	---	0,19	0,19	0	100%	1	1	100%
Dibromoclorometano( $\mu\text{g/L}$ )	---	0,75	0,75	0	100%	1	1	100%
Tetracloroeteno e Tricloroeteno ( $\mu\text{g/L}$ ):	10	<0,20	<0,20	0	100%	1	1	100%
Tricloroeteno( $\mu\text{g/L}$ )	---	<0,10	<0,10	0	100%	1	1	100%
Trihalometanos - total ( $\mu\text{g/L}$ ):	100	2,51	2,51	0	100%	1	1	100%
Tetracloroeteno( $\mu\text{g/L}$ )	---	<0,20	<0,20	0	100%	1	1	100%
<b>HAP</b>								
Benzo(b)fluoranteno ( $\mu\text{g/L}$ )	---	<0,020	<0,020	0	100%	1	1	100%
Benzo(k)fluoranteno ( $\mu\text{g/L}$ )	---	<0,020	<0,020	0	100%	1	1	100%
Benzo(a)pireno ( $\mu\text{g/L}$ )	0,010	<0,005	<0,005	0	100%	1	1	100%
Benzo(ghi)perileno ( $\mu\text{g/L}$ )	---	<0,020	<0,020	0	100%	1	1	100%
Indeno(1,2,3-cd)pireno( $\mu\text{g/L}$ )	---	<0,020	<0,020	0	100%	1	1	100%
carbonetos Aromáticos Policíclicos ( $\mu\text{g/L}$ ):	0,10	<0,020	<0,020	0	100%	1	1	100%
<b>Radiológicos</b>								
Radão (Bq/L)	500	<10	<10	0	100%	1	1	100%
Alpha total (Bq/L)	0,10	<0,04	<0,04	0	100%	1	1	100%
Dose Indicativa total (mSv/yr)	0,10	<0,1	<0,1	0	100%	1	1	100%

**NOTA 1: Zonas de abastecimento controladas: GÂMBIA**

**NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (CM PALMELA )**

O Presidente da Câmara



ÁLVARO MANUEL BALSEIRO AMARO

Data da publicação: 17/03/2022

CÂMARA MUNICIPAL DE PALMELA	CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO GOLFE DO MONTADO DO CONCELHO DE PALMELA					4º TRIMESTRE 2021		
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei nº152/2017, de 7 de dezembro, 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).							01 de Outubro a 31 de Dezembro	
Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, incluindo alterações introduzidas pelo DL 152/2017)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
<i>Escherichia coli</i> (N/100 ml)	0	0	0	0	100%	3	3	100%
Bactérias coliformes (N/100 ml)	0	0	0	0	100%	3	3	100%
Desinfetante residual (mg/L)		0,3	0,4	0	100%	3	3	100%
Cheiro a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
Sabor a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9	5,9	6	0	100%	1	1	100%
Condutividade (µS/cm a 20°C)	2500	169	171	0	100%	1	1	100%
Cor (mg/L PtCo)	20	<5	<5	0	100%	1	1	100%
Turvação (NTU)	4	<0,7	<0,7	0	100%	1	1	100%
Enterococos (N/100 mL)	0	0	0	0	100%	1	1	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	ND	35	0	100%	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	ND	20	0	100%	1	1	100%
<i>Clostridium perfringens</i> (N/100ml)	0	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Nitratos <sup>2</sup> (mg/L NO <sub>3</sub> )	50	---	---	---	---	---	---	---
Azoto Amoniacal (mg/L NH <sub>4</sub> )	0,50	---	---	---	---	---	---	---
Nitritos (mg/L NO <sub>2</sub> )	0,5	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---





Crômio (µg/L Cr)	50	---	---	---	---	---	---	---
Oxidabilidade (mg/L O <sub>2</sub> )	5	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Mercúrio (µg/L Hg)	1	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Bromatos (µg/L BrO <sub>3</sub> )	10	---	---	---	---	---	---	---
Sulfatos (mg/L SO <sub>4</sub> )	250	---	---	---	---	---	---	---
Dureza total (mg/L CaCO <sub>3</sub> )	---	---	---	---	---	---	---	---
Selênio (µg/L Se)	10	---	---	---	---	---	---	---
<b>Pesticidas</b>								
Bentazona (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirifos (µg/L)	---	---	---	---	---	---	---	---
Desetil-terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	---	---	---	---	---	---	---	---
Imidaclopride (µg/L)	---	---	---	---	---	---	---	---
Metalaxil (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Desetil-simazina (µg/L)	---	---	---	---	---	---	---	---
Simazina (µg/L)	---	---	---	---	---	---	---	---
<b>COV</b>								
1,2 – dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Bromodichlorometano(µg/L)	---	---	---	---	---	---	---	---

Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	---	---	---	---	---	---
Tetracloroeteno e Tricloroeteno (µg/L):	10	---	---	---	---	---	---	---
Tricloroeteno(µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Tetracloroeteno(µg/L)	---	---	---	---	---	---	---	---
<b>HAP</b>								
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
bonetos Aromáticos Policíclicos (µg/L):	0,10	---	---	---	---	---	---	---
<b>Radiológicos</b>								
Radão (Bq/L)	500	---	---	---	---	---	---	---
Alpha total (Bq/L)	0,10	---	---	---	---	---	---	---
Dose Indicativa total (mSv/yr)	0,10	---	---	---	---	---	---	---

**NOTA 1: Zonas de abastecimento controladas: GOLFE DO MONTADO**

**NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (CM PALMELA )**

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): O valor de pH não se traduz em incumprimento real uma vez que é reflexo das características hidrogeológicas da água. A CMP obteve parecer favorável da ARS-LVT para não fazer correção de pH. Assim, valores de pH abaixo dos 6,5 devem ser registados como incumprimento mas não constituem qualquer preocupação do ponto de vista da qualidade da água para abastecimento humano

O Presidente da Câmara



ÁLVARO MANUEL BALSEIRO AMARO

Data da publicação: 17/03/2022

CÂMARA MUNICIPAL DE PALMELA	CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO LAGOÍNHA DO CONCELHO DE PALMELA					4º TRIMESTRE 2021		
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei nº152/2017, de 7 de dezembro, 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).						01 de Outubro a 31 de Dezembro		
Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, incluindo alterações introduzidas pelo DL 152/2017)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
<i>Escherichia coli</i> (N/100 ml)	0	0	0	0	100%	3	3	100%
Bactérias coliformes (N/100 ml)	0	0	0	0	100%	3	3	100%
Desinfetante residual (mg/L)		0,3	0,5	0	100%	3	3	100%
Cheiro a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
Sabor a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9	6	6	0	100%	1	1	100%
Condutividade (µS/cm a 20°C)	2500	135	135	0	100%	1	1	100%
Cor (mg/L PtCo)	20	<5	<5	0	100%	1	1	100%
Turvação (NTU)	4	<0,7	<0,7	0	100%	1	1	100%
Enterococos (N/100 mL)	0	0	0	0	100%	1	1	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	ND	ND	0	100%	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	ND	ND	0	100%	1	1	100%
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5	---	---	---	---	---	---	---
Azoto Amoniacal (mg/L NH <sub>4</sub> )	0,50	---	---	---	---	---	---	---
<i>Clostridium perfringens</i> (N/100ml)	0	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Nitratos <sup>2</sup> (mg/L NO <sub>3</sub> )	50	---	---	---	---	---	---	---
Nitritos (mg/L NO <sub>2</sub> )	0,5	---	---	---	---	---	---	---
Oxidabilidade (mg/L O <sub>2</sub> )	5	---	---	---	---	---	---	---

Cianetos	50	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Crômio (µg/L Cr)	50	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO <sub>3</sub> )	10	---	---	---	---	---	---	---
Dureza total (mg/L CaCO <sub>3</sub> )	---	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Selênio (µg/L Se)	10	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Arsênio (µg/L As)	10	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Sulfatos (mg/L SO <sub>4</sub> )	250	---	---	---	---	---	---	---
Mercúrio (µg/L Hg)	1	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos (	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Tricloroeteno(µg/L)	---	---	---	---	---	---	---	---
1,2 – dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Tetracloroeteno(µg/L)	---	---	---	---	---	---	---	---
Tetracloroeteno e Tricloroeteno (µg/L):	10	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	---	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	---	---	---	---	---	---
Radiológicos								



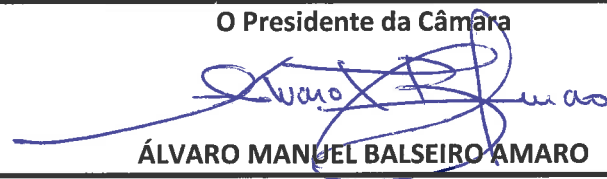
Alpha total (Bq/L)	0,10	---	---	---	---	---	---	---
Dose Indicativa total (mSv/yr)	0,10	---	---	---	---	---	---	---
Radão (Bq/L)	500,00	---	---	---	---	---	---	---
<b>Pesticidas</b>								
Bentazona (µg/L)	0,10	---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirifos (µg/L)	---	---	---	---	---	---	---	---
Desetil-terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	---	---	---	---	---	---	---	---
Imidaclopride (µg/L)	---	---	---	---	---	---	---	---
Metalaxil (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Desetil-simazina (µg/L)	---	---	---	---	---	---	---	---
Simazina (µg/L)	---	---	---	---	---	---	---	---

**NOTA 1: Zonas de abastecimento controladas: LAGOINHA**

**NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (CMPalmela)**

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): O valor de pH não se traduz em incumprimento real uma vez que é reflexo das características hidrogeológicas da água. A CMP obteve parecer favorável da ARS-LVT para não fazer correção de pH. Assim, valores de pH abaixo dos 6,5 devem ser registados como incumprimento mas não constituem qualquer preocupação do ponto de vista da qualidade da água para abastecimento humano

O Presidente da Câmara



ÁLVARO MANUEL BALSEIRO AMARO

Data da publicação: 17/03/2022



Azoto Amoniacal (mg/L NH <sub>4</sub> )	0,50	---	---	---	---	---	---	---
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Dureza total (mg/L CaCO <sub>3</sub> )	---	---	---	---	---	---	---	---
Oxidabilidade (mg/L O <sub>2</sub> )	5	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO <sub>3</sub> )	10	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Selénio (µg/L Se)	10	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
COV		---	---	---	---	---	---	---
1,2 – dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	---	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Tricloroetano(µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L)	100	---	---	---	---	---	---	---
Tetracloroetano(µg/L)	---	---	---	---	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
HPA	0,100	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---

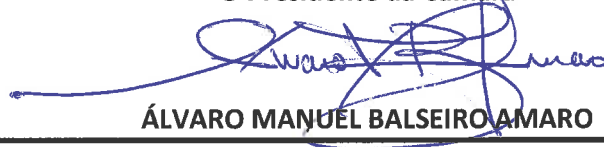
<b>Pesticidas</b>		---	---	---	---	---	---	---
Bentazona (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirifos(µg/L)		---	---	---	---	---	---	---
Metalaxil(µg/L)								
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Diurão(µg/L)		---	---	---	---	---	---	---
Desetil-terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Imidaclopride (µg/L)	-	---	---	---	---	---	---	---
Simazina (µg/L)	-	---	---	---	---	---	---	---
Desetilsimazina (µg/L)	-	---	---	---	---	---	---	---
<b>Radiológicos</b>		---	---	---	---	---	---	---
Radão (Bq/L)	500	---	---	---	---	---	---	---
Dose Indicativa total (mSv/yr)	0,1	---	---	---	---	---	---	---
Alpha total (Bq/L)	0,1	---	---	---	---	---	---	---

**NOTA 1: Zonas de abastecimento controladas: MARQUESAS**

**NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (CMPalmela)**

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): O valor de pH não se traduz em incumprimento real uma vez que é reflexo das características hidrogeológicas da água. A CMP obteve parecer favorável da ARS-LVT para não fazer correção de pH. Assim, valores de pH abaixo dos 6,5 devem ser registados como incumprimento mas não constituem qualquer preocupação do ponto de vista da qualidade da água para abastecimento humano

O Presidente da Câmara



ÁLVARO MANUEL BALSEIRO AMARO

Data da publicação: 17/03/2022



CÂMARA MUNICIPAL DE PALMELA	CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO: NÚCLEOS RURAIS DO CONCELHO DE PALMELA					4º TRIMESTRE 2021		
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei nº152/2017, de 7 de dezembro, 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).							01 de Outubro a 31 de Dezembro	
Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, incluindo alterações introduzidas pelo DL 152/2017)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
<i>Escherichia coli</i> (N/100 ml)	0	0	0	0	100%	3	3	100%
Bactérias coliformes (N/100 ml)	0	0	0	0	100%	3	3	100%
Desinfetante residual (mg/L)		0,4	0,6	0	100%	3	3	100%
Cheiro a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
Sabor a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9	5,7	5,7	0	100%	1	1	100%
Condutividade (µS/cm a 20°C)	2500	196	196	0	100%	1	1	100%
Cor (mg/L PtCo)	20	<5	<5	0	100%	1	1	100%
Turvação (NTU)	4	<0,7	<0,7	0	100%	1	1	100%
Enterococos (N/100 ml)	0	0	0	0	100%	1	1	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	38	38	0	100%	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	23	23	0	100%	1	1	100%
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5	---	---	---	---	---	---	---
Azoto Amoniacal (mg/L NH <sub>4</sub> )	0,50	---	---	---	---	---	---	---
<i>Clostridium perfringens</i> (N/100ml)	0	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Nitratos <sup>2</sup> (mg/L NO <sub>3</sub> )	50	---	---	---	---	---	---	---

f

---	---	---	---	---	---	---	0,5	Nitritos (mg/L NO <sub>2</sub> )
---	---	---	---	---	---	---	5	Oxidabilidade (mg/L O <sub>2</sub> )
---	---	---	---	---	---	---	50	Cianetos
---	---	---	---	---	---	---	---	Cálcio (mg/L Ca)
---	---	---	---	---	---	---	10	Chumbo (µg/L Pb)
---	---	---	---	---	---	---	2,0	Cobre (mg/L Cu)
---	---	---	---	---	---	---	50	Crômio (µg/L Cr)
---	---	---	---	---	---	---	5,0	Cádmio (µg/L Cd)
---	---	---	---	---	---	---	10	Bromatos (µg/L BrO <sub>3</sub> )
---	---	---	---	---	---	---	---	Dureza total (mg/L CaCO <sub>3</sub> )
---	---	---	---	---	---	---	---	Magnésio (mg/L Mg)
---	---	---	---	---	---	---	10	Selênio (µg/L Se)
---	---	---	---	---	---	---	200	Sódio (mg/L Na)
---	---	---	---	---	---	---	20	Níquel (µg/L Ni)
---	---	---	---	---	---	---	1,0	Boro (mg/L B)
---	---	---	---	---	---	---	10	Arsênio (µg/L As)
---	---	---	---	---	---	---	1,5	Fluoretos (mg/L F)
---	---	---	---	---	---	---	250	Cloretos (mg/L Cl)
---	---	---	---	---	---	---	250	Sulfatos (mg/L SO <sub>4</sub> )
---	---	---	---	---	---	---	1	Merúrio (µg/L Hg)
---	---	---	---	---	---	---	1,0	Benzeno (µg/L)
---	---	---	---	---	---	---	0,10	Hidrocarbonetos Aromáticos Policíclicos
---	---	---	---	---	---	---	---	Benzo(b)fluoranteno (µg/L)
---	---	---	---	---	---	---	---	Benzo(k)fluoranteno (µg/L)
---	---	---	---	---	---	---	---	Benzo(ghi)perileno (µg/L)
---	---	---	---	---	---	---	---	Indeno(1,2,3-cd)pireno(µg/L)
---	---	---	---	---	---	---	0,010	Benzo(a)pireno (µg/L)
---	---	---	---	---	---	---	---	Tricloroeteno(µg/L)
---	---	---	---	---	---	---	3,0	1,2 - dicloroetano (µg/L)
---	---	---	---	---	---	---	---	Tetracloroeteno(µg/L)
---	---	---	---	---	---	---	10	tetracloroeteno e Tricloroeteno (µg/L):
---	---	---	---	---	---	---	100	Trihalometanos - total (µg/L):
---	---	---	---	---	---	---	---	Clorofórmio(µg/L)
---	---	---	---	---	---	---	---	Bromofórmio(µg/L)
---	---	---	---	---	---	---	---	Bromodiclorometano(µg/L)

Dibromoclorometano( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
<b>Radiológicos</b>								
Alpha total (Bq/L)	0,10	---	---	---	---	---	---	---
Dose Indicativa total (mSv/yr)	0,10	---	---	---	---	---	---	---
Radão (Bq/L)	500,00	---	---	---	---	---	---	---
<b>Pesticidas</b>								
Bentazona ( $\mu\text{g/L}$ )	0,10	---	---	---	---	---	---	---
Alacloro ( $\mu\text{g/L}$ )	0,10	---	---	---	---	---	---	---
Clorpirifos ( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Desetil-terbutilazina ( $\mu\text{g/L}$ )	0,10	---	---	---	---	---	---	---
Diurão ( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Imidaclopride ( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Metalaxil ( $\mu\text{g/L}$ )	0,10	---	---	---	---	---	---	---
Terbutilazina ( $\mu\text{g/L}$ )	0,10	---	---	---	---	---	---	---
Desetil-simazina ( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Simazina ( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---

**NOTA 1: Zonas de abastecimento controladas: NUCLEOS RURAIS**

**NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (CMPalmela)**

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): O valor de pH não se traduz em incumprimento real uma vez que é reflexo das características hidrogeológicas da água. A CMP obteve parecer favorável da ARS-LVT para não fazer correção de pH. Assim, valores de pH abaixo dos 6,5 devem ser registados como incumprimento mas não constituem qualquer preocupação do ponto de vista da qualidade da água para abastecimento humano

O Presidente da Câmara

  
ÁLVARO MANUEL BALSEIRO AMARO

Data da publicação: 17/03/2022

CÂMARA MUNICIPAL DE PALMELA	CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO: PALMELA DO CONCELHO DE PALMELA					4º TRIMESTRE 2021		
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei nº152/2017, de 7 de dezembro, 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).						01 de Outubro a 31 de Dezembro		
Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, incluindo alterações introduzidas pelo DL 152/2017)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
<i>Escherichia coli</i> (N/100 ml)	0	0	0	0	100%	7	7	100%
Bactérias coliformes (N/100 ml)	0	0	0	0	100%	7	7	100%
Desinfetante residual (mg/L)		0,4	0,3	0	100%	7	7	100%
Cheiro a 25°C (Factor de diluição)	3	<3	<3	0	100%	3	3	100%
Sabor a 25°C (Factor de diluição)	3	<3	<3	0	100%	3	3	100%
pH (Unidades pH)	≥6,5 e ≤9	6,8	7,3	0	100%	3	3	100%
Condutividade (µS/cm a 20°C)	2500	323	395	0	100%	3	3	100%
Cor (mg/L PtCo)	20	<5	<5	0	100%	3	3	100%
Turvação (NTU)	4	<0,7	1,4	0	100%	3	3	100%
Enterococos (N/100 ml)	0	0	0	0	100%	3	3	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	ND	ND	0	100%	3	3	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	ND	ND	0	100%	3	3	100%
<i>Clostridium perfringens</i> (N/100ml)	0	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Nitratos <sup>2</sup> (mg/L NO <sub>3</sub> )	50	---	---	---	---	---	---	---
Azoto Amoniacal (mg/L NH <sub>4</sub> )	0,50	---	---	---	---	---	---	---
Nitritos (mg/L NO <sub>2</sub> )	0,5	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
Oxidabilidade (mg/L O <sub>2</sub> )	5	---	---	---	---	---	---	---

Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Mercúrio (µg/L Hg)	1	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Bromatos (µg/L BrO <sub>3</sub> )	10	---	---	---	---	---	---	---
Sulfatos (mg/L SO <sub>4</sub> )	250	---	---	---	---	---	---	---
Dureza total (mg/L CaCO <sub>3</sub> )	---	---	---	---	---	---	---	---
Selênio (µg/L Se)	10	---	---	---	---	---	---	---
<b>Pesticidas</b>								
Bentazona (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirifos (µg/L)	---	---	---	---	---	---	---	---
Desetil-terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	---	---	---	---	---	---	---	---
Imidaclopride (µg/L)	---	---	---	---	---	---	---	---
Metalaxil (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Pesticidas – total (µg/L)	0,50	---	---	---	---	---	---	---
Desetil-simazina (µg/L)	---	---	---	---	---	---	---	---
Simazina (µg/L)	---	---	---	---	---	---	---	---
<b>COV</b>								
1,2 – dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Bromodichlorometano(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---



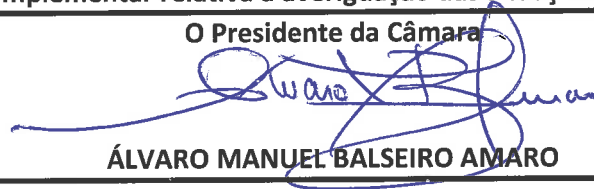
Dibromoclorometano( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Tetracloroeteno e Tricloroeteno ( $\mu\text{g/L}$ ):	10	---	---	---	---	---	---	---
Tricloroeteno( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Trihalometanos - total ( $\mu\text{g/L}$ ):	100	---	---	---	---	---	---	---
Tetracloroeteno( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
<b>HAP</b>								
Benzo(b)fluoranteno ( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno ( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Benzo(a)pireno ( $\mu\text{g/L}$ )	0,010	---	---	---	---	---	---	---
Benzo(ghi)perileno ( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno( $\mu\text{g/L}$ )	---	---	---	---	---	---	---	---
bonetos Aromáticos Policíclicos ( $\mu\text{g/L}$ ):	0,10	---	---	---	---	---	---	---
<b>Radiológicos</b>								
Alpha total (Bq/L)	0,10	---	---	---	---	---	---	---
Dose Indicativa total (mSv/yr)	0,10	---	---	---	---	---	---	---
Radão (Bq/L)	500,00	---	---	---	---	---	---	---

**NOTA 1: Zonas de abastecimento controladas: PALMELA**

**NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (CM PALMELA)**

**Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas):**

O Presidente da Câmara



**ÁLVARO MANUEL BALSEIRO AMARO**

**Data da publicação: 17/03/2022**

CÂMARA MUNICIPAL DE PALMELA		CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO: PINHAL NOVO DO CONCELHO DE PALMELA				4º TRIMESTRE 2021		
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei nº152/2017, de 7 de dezembro, 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).							01 de Outubro a 31 de Dezembro	
Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, incluindo alterações introduzidas pelo DL 152/2017	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
<i>Escherichia coli</i> (N/100 ml)	0	0	0	0	100%	16	16	100%
Bactérias coliformes (N/100 ml)	0	0	0	0	100%	16	16	100%
Desinfetante residual (mg/L)		0,2	0,7	0	100%	16	16	100%
Cheiro a 25°C (Factor de diluição)	3	<3	<3	0	100%	3	3	100%
Sabor a 25°C (Factor de diluição)	3	<3	<3	0	100%	3	3	100%
pH (Unidades pH)	≥6,5 e ≤9	6,2	6,4	0	100%	3	3	100%
Condutividade (µS/cm a 20°C)	2500	227	276	0	100%	3	3	100%
Cor (mg/L PtCo)	20	<5	<5	0	100%	3	3	100%
Turvação (NTU)	4	<0,7	0,9	0	100%	3	3	100%
Enterococos (N/100 mL)	0	0	0	0	100%	3	3	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	ND	10	0	100%	3	3	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	ND	10	0	100%	3	3	100%
<i>Clostridium perfringens</i> (N/100ml)	0	---	---	---	---	---	---	---
Nitratos <sup>2</sup> (mg/L NO <sub>3</sub> )	50	---	---	---	---	---	---	---
Nitritos (mg/L NO <sub>2</sub> )	0,5	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Sulfatos (mg/L SO <sub>4</sub> )	250	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---

<b>Mercúrio (µg/L Hg)</b>	1	---	---	---	---	---	---	---
<b>Azoto Amoniacal (mg/L NH<sub>4</sub>)</b>	0,50	---	---	---	---	---	---	---
<b>Alumínio (µg/L Al)</b>	200	---	---	---	---	---	---	---
<b>Crómio (µg/L Cr)</b>	50	---	---	---	---	---	---	---
<b>Antimónio (µg/L Sb)</b>	5	---	---	---	---	---	---	---
<b>Arsénio (µg/L As)</b>	10	---	---	---	---	---	---	---
<b>Níquel (µg/L Ni)</b>	20	---	---	---	---	---	---	---
<b>Ferro (µg/L Fe)</b>	200	---	---	---	---	---	---	---
<b>Manganês (µg/L Mn)</b>	50	---	---	---	---	---	---	---
<b>Dureza total (mg/L CaCO<sub>3</sub>)</b>	---	---	---	---	---	---	---	---
<b>Oxidabilidade (mg/L O<sub>2</sub>)</b>	5	---	---	---	---	---	---	---
<b>Cádmio (µg/L Cd)</b>	5,0	---	---	---	---	---	---	---
<b>Bromatos (µg/L BrO<sub>3</sub>)</b>	10	---	---	---	---	---	---	---
<b>Magnésio (mg/L Mg)</b>	---	---	---	---	---	---	---	---
<b>Sódio (mg/L Na)</b>	200	---	---	---	---	---	---	---
<b>Boro (mg/L B)</b>	1,0	---	---	---	---	---	---	---
<b>Cobre (mg/L Cu)</b>	2,0	---	---	---	---	---	---	---
<b>Selénio (µg/L Se)</b>	10	---	---	---	---	---	---	---
<b>Chumbo (µg/L Pb)</b>	10	---	---	---	---	---	---	---
<b>COV</b>								
<b>1,2 – dicloroetano (µg/L)</b>	3,0	---	---	---	---	---	---	---
<b>Clorofórmio(µg/L)</b>	---	---	---	---	---	---	---	---
<b>Bromodiclorometano(µg/L)</b>	---	---	---	---	---	---	---	---
<b>Dibromoclorometano(µg/L)</b>	---	---	---	---	---	---	---	---
<b>Bromofórmio(µg/L)</b>	---	---	---	---	---	---	---	---
<b>Tricloroetano(µg/L)</b>	---	---	---	---	---	---	---	---
<b>Trihalometanos - total (µg/L)</b>	100	---	---	---	---	---	---	---
<b>Tetracloroetano(µg/L)</b>	---	---	---	---	---	---	---	---
<b>Tetracloroetano e Tricloroetano (µg/L)</b>	10	---	---	---	---	---	---	---
<b>HPA</b>	0,100							
<b>Benzeno (µg/L)</b>	1,0	---	---	---	---	---	---	---
<b>Benzo(b)fluoranteno (µg/L)</b>	---	---	---	---	---	---	---	---
<b>Benzo(k)fluoranteno (µg/L)</b>	---	---	---	---	---	---	---	---
<b>Benzo(a)pireno (µg/L)</b>	0,010	---	---	---	---	---	---	---





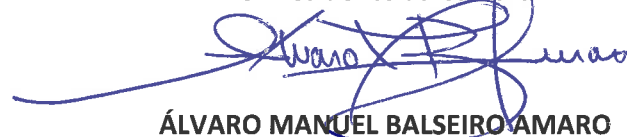
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
bonetos Aromáticos Policíclicos (µg/L):	0,10	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
<b>Pesticidas</b>								
Bentazona (µg/L)	0,10	<0,03	<0,03	0	100%	1	1	100%
Clorpirifos(µg/L)		---	---	---	---	---	---	---
Metalaxil(µg/L)		---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Diurão(µg/L)		---	---	---	---	---	---	---
Desetil-terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Imidaclopride (µg/L)	-	---	---	---	---	---	---	---
Simazina (µg/L)	-	---	---	---	---	---	---	---
Desetilsimazina (µg/L)	-	---	---	---	---	---	---	---
<b>Radiológicos</b>								
Radão (Bq/L)	500	---	---	---	---	---	---	---
Dose Indicativa total (mSv/yr)	0,1	---	---	---	---	---	---	---
Alpha total (Bq/L)	0,1	---	---	---	---	---	---	---

**NOTA 1: Zonas de abastecimento controladas: PINHAL NOVO**

**NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (CMPalmela)**

**Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): O valor de pH não se traduz em incumprimento real uma vez que é reflexo das características hidrogeológicas da água. A CMP obteve parecer favorável da ARS-LVT para não fazer correção de pH. Assim, valores de pH abaixo dos 6,5 devem ser registados como incumprimento mas não constituem qualquer preocupação do ponto de vista da qualidade da água para abastecimento humano**

O Presidente da Câmara



ÁLVARO MANUEL BALSEIRO AMARO

Data da publicação: 17/03/2022

CÂMARA MUNICIPAL DE PALMELA	CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO: QUINTA DO ANJO / CABANAS DO CONCELHO DE PALMELA					4º TRIMESTRE 2021		
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei nº152/2017, de 7 de dezembro, 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).						01 de Outubro a 31 de Dezembro		
Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, incluindo alterações introduzidas pelo DL 152/2017	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
<i>Escherichia coli</i> (N/100 ml)	0	0	0	0	100%	8	8	100%
Bactérias coliformes (N/100 ml)	0	0	0	0	100%	8	8	100%
Desinfetante residual (mg/L)		0,1	0,5	0	100%	8	8	100%
Cheiro a 25°C (Factor de diluição)	3	<3	<3	0	100%	4	4	100%
Sabor a 25°C (Factor de diluição)	3	<3	<3	0	100%	4	4	100%
pH (Unidades pH)	≥6,5 e ≤9	6,3	6,7	0	100%	4	4	100%
Condutividade (µS/cm a 20°C)	2500	169	350	0	100%	4	4	100%
Cor (mg/L PtCo)	20	<5	<5	0	100%	4	4	100%
Turvação (NTU)	4	<0,7	2,3	0	100%	4	4	100%
Enterococos (N/100 mL)	0	0	0	0	100%	4	4	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	ND	18	0	100%	4	4	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	ND	12	0	100%	4	4	100%
<i>Clostridium perfringens</i> (N/100ml)	0	---	---	---	---	---	---	---
Nitratos <sup>2</sup> (mg/L NO <sub>3</sub> )	50	---	---	---	---	---	---	---
Nitritos (mg/L NO <sub>2</sub> )	0,5	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Sulfatos (mg/L SO <sub>4</sub> )	250	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---

Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Mercúrio (µg/L Hg)	1	---	---	---	---	---	---	---
Azoto Amoniacal (mg/L NH <sub>4</sub> )	0,50	---	---	---	---	---	---	---
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Dureza total (mg/L CaCO <sub>3</sub> )	---	---	---	---	---	---	---	---
Oxidabilidade (mg/L O <sub>2</sub> )	5	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO <sub>3</sub> )	10	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Selénio (µg/L Se)	10	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
COV								
1,2 – dicloroetano (µg/L)	3,0	<0,03	<0,03	0	100%	1	1	100%
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodichlorometano(µg/L)	---	---	---	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Tricloroetano(µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L)	100	---	---	---	---	---	---	---
Tetracloroetano(µg/L)	---	---	---	---	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
HPA	0,100	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---

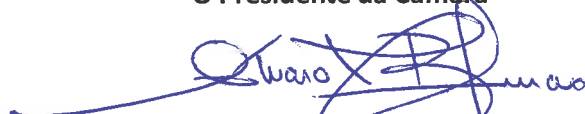
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
Carbonetos Aromáticos Policíclicos (µg/L):	0,10	---	---	---	---	---	---	---
<b>Pesticidas</b>		---	---	---	---	---	---	---
Bentazona (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirifos(µg/L)		---	---	---	---	---	---	---
Metalaxil(µg/L)		---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Diurão(µg/L)								
Desetil-terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Imidaclopride (µg/L)	-	---	---	---	---	---	---	---
Simazina (µg/L)	-	---	---	---	---	---	---	---
Pesticidas – total (µg/L)	0,50	---	---	---	---	---	---	---
Desetilsimazina (µg/L)	-	---	---	---	---	---	---	---
<b>Radiológicos</b>								
Radão (Bq/L)	500	---	---	---	---	---	---	---
Dose Indicativa total (mSv/yr)	0,1	---	---	---	---	---	---	---
Alpha total (Bq/L)	0,1	---	---	---	---	---	---	---
Radão (Bq/L)	500,00	---	---	---	---	---	---	---

NOTA 1: Zonas de abastecimento controladas: QUINTA DO ANJO E CABANAS

NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (CM PALMELA)

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas):

O Presidente da Câmara

  
ÁLVARO MANUEL BALSEIRO AMARO

Data da publicação: 17/03/2022

CÂMARA MUNICIPAL DE PALMELA	CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO: VILA AMÉLIA DO CONCELHO DE PALMELA					4º TRIMESTRE 2021		
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei nº152/2017, de 7 de dezembro, 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).						01 de Outubro a 31 de Dezembro		
Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, incluindo alterações introduzidas pelo DL 152/2017)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
<i>Escherichia coli</i> (N/100 ml)	0	0	0	0	100%	2	2	100%
Bactérias coliformes (N/100 ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg/L)	---	0,2	0,6	0	100%	2	2	100%
Cheiro a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
Sabor a 25°C (Factor de diluição)	3	<3	<3	0	100%	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9	6,9	6,9	0	100%	1	1	100%
Condutividade (µS/cm a 20°C)	2500	184	184	0	100%	1	1	100%
Cor (mg/L PtCo)	20	<5	<5	0	100%	1	1	100%
Turvação (NTU)	4	1,3	1,3	0	100%	1	1	100%
Enterococos (N/100 mL)	0	0	0	0	100%	1	1	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	ND	ND	0	100%	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	ND	ND	0	100%	1	1	100%
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5	---	---	---	---	---	---	---
Azoto Amoniacal (mg/L NH <sub>4</sub> )	0,50	---	---	---	---	---	---	---
<i>Clostridium perfringens</i> (N/100ml)	0	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Nitratos <sup>2</sup> (mg/L NO <sub>3</sub> )	50	---	---	---	---	---	---	---
Nitritos (mg/L NO <sub>2</sub> )	0,5	---	---	---	---	---	---	---

Oxidabilidade (mg/L O <sub>2</sub> )	5	---	---	---	---	---	---	---
Cianetos	50	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO <sub>3</sub> )	10	---	---	---	---	---	---	---
Dureza total (mg/L CaCO <sub>3</sub> )	---	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Selénio (µg/L Se)	10	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Sulfatos (mg/L SO <sub>4</sub> )	250	---	---	---	---	---	---	---
Mercúrio (µg/L Hg)	1	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos (	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Tricloroeteno(µg/L)	---	---	---	---	---	---	---	---
1,2 – dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Tetracloroeteno(µg/L)	---	---	---	---	---	---	---	---
Tetracloroeteno e Tricloroeteno (µg/L):	10	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	---	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	---	---	---	---	---	---



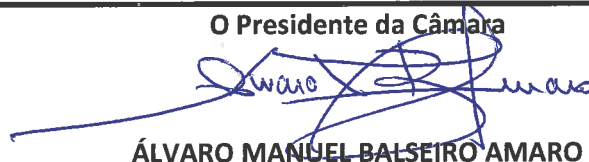
<b>Radiológicos</b>		---	---	---	---	---	---	---
Alpha total (Bq/L)	0,10	---	---	---	---	---	---	---
Dose Indicativa total (mSv/yr)	0,10	---	---	---	---	---	---	---
Radão (Bq/L)	500,00	---	---	---	---	---	---	---
<b>Pesticidas</b>		---	---	---	---	---	---	---
Bentazona (µg/L)	0,10	---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirifos (µg/L)	---	---	---	---	---	---	---	---
Desetil-terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	---	---	---	---	---	---	---	---
Imidaclopride (µg/L)	---	---	---	---	---	---	---	---
Metalaxil (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Desetil-simazina (µg/L)	---	---	---	---	---	---	---	---
Simazina (µg/L)	---	---	---	---	---	---	---	---

NOTA 1: Zonas de abastecimento controladas: VILA AMÉLIA

NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta (Ág. do Sado SA)

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas):

O Presidente da Câmara



ÁLVARO MANUEL BALSEIRO AMARO

Data da publicação: 17/03/2022