Município Palmela Câmara Municipal

Departamento de Administração, Finanças e Recursos Humanos

Divisão de Atendimento e Administração Geral

# Edital

N.º 102/DAFRH-DAAG/2022

**CONTROLO DE QUALIDADE DA ÁGUA PARA CONSUMO HUMANO (REDE EM BAIXA)**
**1º TRIMESTRE DE 2022**

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.

Palmela, 28 de junho de 2022.

O Presidente da Câmara

ÁLVARO MANUEL BALSEIRO AMARO

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| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO<br>NA ZONA DE ABASTECIMENTO DE ÁGUAS DE MOURA DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| Parâmetro (unidades)+A3:IA3:H21 | 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) | --- | 0,5 | 0,6 | 0 | 100% | 3 | 3 | 100% |
| *Escherichia coli* (N/100 ml) | 0 | 0 | 0 | 0 | 100% | 3 | 3 | 100% |
| Bactérias coliformes (N/100 ml) | 0 | 0 | 0 | 0 | 100% | 3 | 3 | 100% |
| Enterococos (N/100 mL) | 0 | 0 | 0 | 0 | 100% | 1 | 1 | 100% |
| *Clostridium perfringens* (N/100ml) | 0 | --- | --- | --- | --- | --- | --- | --- |
| Número de colónias a 22 ºC (N/ml) | Sem alteração anormal | N/D | N/D | 0 | 100% | 1 | 1 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | N/D | N/D | 0 | 100% | 1 | 1 | 100% |
| pH (Unidades pH) | ≥6,5 e ≤9 | 7 | 7 | 0 | 100% | 1 | 1 | 100% |
| 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[2] (mg/L $NO_3$) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Condutividade (µS/cm a 20ºC) | 2500 | 153,5 | 153,5 | 0 | 100% | 1 | 1 | 100% |
| Manganês (µg/L Mn) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Oxidabilidade (mg/L $O_2$) | 5 | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Cloretos (mg/L Cl) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Nitritos (mg/L $NO_2$) | 0,5 | --- | --- | --- | --- | --- | --- | --- |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Cor (mg/L PtCo) | 20 | <5 | <5 | 0 | 100% | 1 | 1 | 100% |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Magnésio (mg/L Mg) | --- | --- | --- | --- | --- | --- | --- | --- |
| Cálcio (mg/L Ca) | --- | --- | --- | --- | --- | --- | --- | --- |
| Sódio (mg/L Na) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Sulfatos (mg/L $SO_4$) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Ferro (µg/L Fe) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Turvação (NTU) | 4 | <0,7 | <0,7 | 0 | 100% | 1 | 1 | 100% |
| Bromatos (µg/L $BrO_3$) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Dureza total (mg/L CaCO3) | --- | --- | --- | --- | --- | --- | --- | --- |
| Cádmio (µg/L Cd) | 5,0 | --- | --- | --- | --- | --- | --- | --- |
| Cobre (mg/L Cu) | 2,0 | --- | --- | --- | --- | --- | --- | --- |
| Chumbo (µg/L Pb) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Selénio (µg/L Se) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Pesticidas | | | | | | | | |
| Bentazona (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Clorpirifos | | --- | --- | --- | --- | --- | --- | --- |
| Metalaxil | | --- | --- | --- | --- | --- | --- | --- |
| Alacloro (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Diurão | | --- | --- | --- | --- | --- | --- | --- |
| Desetil-terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Imidaclopride (µg/L) | - | --- | --- | --- | --- | --- | --- | --- |
| Pesticidas – total (µg/L) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Simazina (µg/L) | - | --- | --- | --- | --- | --- | --- | --- |
| Desetilsimazina (µg/L) | - | --- | --- | --- | --- | --- | --- | --- |
| COV | | | | | | | | |
| Benzeno (µg/L) | 1,0 | --- | --- | --- | --- | --- | --- | --- |
| 1,2 – dicloroetano (µg/L) | 3,0 | --- | --- | --- | --- | --- | --- | --- |
| Clorofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromodiclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Dibromoclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Bromofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Tricloroeteno(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Trihalometanos - total (µg/L) | 100 | --- | --- | --- | --- | --- | --- | --- |
| Tetracloroeteno(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| HPA | | | | | | | | |
| Benzo(b)fluoranteno (µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Benzo(k)fluoranteno (µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Benzo(a)pireno (µg/L) | 0,010 | --- | --- | --- | --- | --- | --- | --- |
| Benzo(ghi)perileno (µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Hidrocarbonetos Aromáticos Policíclicos (µg/L): | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Radiológicos | | | | | | | | |
| Dose Indicativa (mSv/ano) | 0,1 | --- | --- | --- | --- | --- | --- | --- |
| Alpha total (Bq/L) | 0,1 | --- | --- | --- | --- | --- | --- | --- |

**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 Presidente da Câmara**

**ÁLVARO MANUEL BALSEIRO AMARO**

**Data da publicitação: 28/06/2022**

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO DE ALDEIA NOVA DA AROEIRA DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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 | 0,6 | 0 | 100% | 2 | 2 | 100% |
| *Escherichia coli* (N/100 ml) | 0 | 0 | 0 | 0 | 100% | 2 | 2 | 100% |
| Bactérias coliformes (N/100 ml) | 0 | 0 | 0 | 0 | 100% | 2 | 2 | 100% |
| Enterococos (N/100 mL) | 0 | 0 | 0 | 0 | 100% | 1 | 1 | 100% |
| *Clostridium perfringens* (N/100ml) | 0 | 0 | 0 | 0 | 100% | 1 | 1 | 100% |
| Número de colónias a 22 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 1 | 1 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 1 | 1 | 100% |
| pH (Unidades pH) | ≥6,5 e ≤9 | 5,9 | 5,9 | 1 | 0% | 1 | 1 | 100% |
| Nitratos[2] (mg/L $NO_3$) | 50 | 20,5 | 20,5 | 0 | 100% | 1 | 1 | 100% |
| Nitritos (mg/L $NO_2$) | 0,5 | <0,02 | <0,02 | 0 | 100% | 1 | 1 | 100% |
| Condutividade (µS/cm a 20ºC) | 2500 | 473 | 473 | 0 | 100% | 1 | 1 | 100% |
| Turvação (NTU) | 4 | <0,7 | <0,7 | 0 | 100% | 1 | 1 | 100% |
| Cloretos (mg/L Cl) | 250 | 143 | 143 | 0 | 100% | 1 | 1 | 100% |
| Fluoretos (mg/L F) | 1,5 | <0,40 | <0,40 | 0 | 100% | 1 | 1 | 100% |
| Sulfatos (mg/L $SO_4$) | 250 | 15,2 | 15,2 | 0 | 100% | 1 | 1 | 100% |
| Cálcio (mg/L Ca) | --- | 20,3 | 20,3 | 0 | 100% | 1 | 1 | 100% |
| Cianetos (µg/L CN) | 50 | <10 | <10 | 0 | 100% | 1 | 1 | 100% |
| Mercúrio (µg/L Hg) | 1 | <0,02 | <0,02 | 0 | 100% | 1 | 1 | 100% |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | <0,05 | <0,05 | 0 | 100% | 1 | 1 | 100% |
| Alumínio (µg/L Al) | 200 | <50 | <50 | 0 | 100% | 1 | 1 | 100% |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Crómio (µg/L Cr) | 50 | <10 | <10 | 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% |
| Cor (mg/L PtCo) | 20 | <5 | <5 | 0 | 100% | 1 | 1 | 100% |
| Níquel (µg/L Ni) | 20 | <5 | <5 | 0 | 100% | 1 | 1 | 100% |
| Ferro (µg/L Fe) | 200 | <50 | <50 | 0 | 100% | 1 | 1 | 100% |
| Manganês (µg/L Mn) | 50 | <10 | <10 | 0 | 100% | 1 | 1 | 100% |
| Dureza total (mg/L CaCO3) | --- | 58 | 58 | 0 | 100% | 1 | 1 | 100% |
| Oxidabilidade (mg/L $O_2$) | 5 | <1 | <1 | 0 | 100% | 1 | 1 | 100% |
| Cádmio (µg/L Cd) | 5,0 | <0,4 | <0,4 | 0 | 100% | 1 | 1 | 100% |
| Bromatos (µg/L $BrO_3$) | 10 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Magnésio (mg/L Mg) | --- | 13,5 | 13,5 | 0 | 100% | 1 | 1 | 100% |
| Sódio (mg/L Na) | 200 | 63,1 | 63,1 | 0 | 100% | 1 | 1 | 100% |
| Boro (mg/L B) | 1,0 | <0,2 | <0,2 | 0 | 100% | 1 | 1 | 100% |
| Cobre (mg/L Cu) | 2,0 | <0,010 | <0,010 | 0 | 100% | 1 | 1 | 100% |
| Selénio (µg/L Se) | 10 | <2 | <2 | 0 | 100% | 1 | 1 | 100% |
| Chumbo (µg/L Pb) | 10 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| COV | | | | | | | | |
| 1,2 – dicloroetano (µg/L) | 3,0 | <0,750 | <0,750 | 0 | 100% | 1 | 1 | 100% |
| Clorofórmio(µg/L) | --- | <0,10 | <0,10 | 0 | 100% | 1 | 1 | 100% |
| Bromodiclorometano(µg/L) | --- | <0,10 | <0,10 | 0 | 100% | 1 | 1 | 100% |
| Dibromoclorometano(µg/L) | --- | <0,10 | <0,10 | 0 | 100% | 1 | 1 | 100% |
| Bromofórmio(µg/L) | --- | <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 | <0,30 | <0,30 | 0 | 100% | 1 | 1 | 100% |
| Tetracloroeteno(µg/L) | --- | <0,20 | <0,20 | 0 | 100% | 1 | 1 | 100% |
| Tetracloroeteno e Tricloroeteno (µg/L) | 10 | <0,20 | <0,20 | 0 | 100% | 1 | 1 | 100% |
| HPA | 0,100 | <0,020 | <0,020 | 0 | 100% | 1 | 1 | 100% |
| Benzeno (µg/L) | 1,0 | <0,20 | <0,20 | 0 | 100% | 1 | 1 | 100% |
| 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 | <0,0050 | <0,0050 | 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% |
| Pesticidas | | | | | | | | |
| Bentazona (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% |
| Metalaxil(µg/L) | | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| Alacloro (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% |
| Desetil-terbutilazina (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% |
| Imidaclopride (µg/L) | - | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| Simazina (µg/L) | - | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| Desetilsimazina (µg/L) | - | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| Radiológicos | | | | | | | | |
| Radão (Bq/L) | 500 | <10 | <10 | 0 | 100% | 1 | 1 | 100% |
| Dose Indicativa total (mSv/yr) | 0,1 | <0,1 | <0,1 | 0 | 100% | 1 | 1 | 100% |
| Alpha total (Bq/L) | 0,1 | <0,04 | <0,04 | 0 | 100% | 1 | 1 | 100% |

**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 publicitação: 28/06/2022**

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO DE ASSEICEIRA-FORNINHO DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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 | |
| *Escherichia coli* (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 | 0,4 | 0 | 100% | 2 | 2 | 100% |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| pH (Unidades pH) | ≥6,5 e ≤9 | 5,6 | 5,6 | 1 | 0% | 1 | 1 | 100% |
| Condutividade (µS/cm a 20ºC) | 2500 | 215 | 215 | 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 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 1 | 1 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 1 | 1 | 100% |
| *Clostridium perfringens* (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[2] (mg/L $NO_3$) | 50 | 12 | 12 | 0 | 100% | 1 | 1 | 100% |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | <0,05 | <0,05 | 0 | 100% | 1 | 1 | 100% |
| Nitritos (mg/L $NO_2$) | 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 $O_2$) | 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) | --- | 7,3 | 7,3 | 0 | 100% | 1 | 1 | 100% |
| Níquel (µg/L Ni) | 20 | <5 | <5 | 0 | 100% | 1 | 1 | 100% |
| Magnésio (mg/L Mg) | --- | 5,2 | 5,2 | 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 | 49 | 49 | 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 | 0,02 | 0,02 | 0 | 100% | 1 | 1 | 100% |
| Chumbo (µg/L Pb) | 10 | <3 | <3 | 0 | 75% | 1 | 1 | 100% |
| Sódio (mg/L Na) | 200 | 27,8 | 27,8 | 0 | 100% | 1 | 1 | 100% |
| Bromatos (µg/L $BrO_3$) | 10 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Sulfatos (mg/L $SO_4$) | 250 | 8,3 | 8,3 | 0 | 100% | 1 | 1 | 100% |
| Dureza total (mg/L CaCO3) | --- | 39,8 | 39,8 | 0 | 100% | 1 | 1 | 100% |
| Selénio (µg/L Se) | 10 | <2 | <2 | 0 | 100% | 1 | 1 | 100% |
| Pesticidas | | | | | | | | |
| 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 (µq/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% |
| COV | | | | | | | | |
| 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) | --- | 0,17 | 0,17 | 0 | 100% | 1 | 1 | 100% |
| Bromofórmio(µg/L) | --- | 1,27 | 1,27 | 0 | 100% | 1 | 1 | 100% |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Clorofórmio(µg/L) | --- | 0,15 | 0,15 | 0 | 100% | 1 | 1 | 100% |
| Dibromoclorometano(µg/L) | --- | 0,59 | 0,59 | 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 | 2,18 | 2,18 | 0 | 100% | 1 | 1 | 100% |
| Tetracloroeteno(µg/L) | --- | <0,20 | <0,20 | 0 | 100% | 1 | 1 | 100% |
| HAP | | <0,020 | <0,020 | 0 | 100% | 1 | 1 | 100% |
| 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% |
| Radiológicos | | | | | | | | |
| 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**

**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 publicitação: 28/06/2022**

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO DE BARRA CHEIA DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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 | |
| *Escherichia coli* (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) | --- | 0,5 | 0,5 | 0 | 100% | 2 | 2 | 100% |
| Alumínio (µg/L Al) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Número de colónias a 22 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 1 | 1 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 1 | 1 | 100% |
| Condutividade (µS/cm a 20ºC) | 2500 | 108 | 108 | 0 | 100% | 1 | 1 | 100% |
| *Clostridium perfringens* (N/100ml) | 0 | --- | --- | --- | --- | --- | --- | --- |
| Cor (mg/L PtCo) | 20 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| pH (Unidades pH) | ≥6,5 e ≤9 | 7,1 | 7,1 | 0 | 100% | 1 | 1 | 100% |
| Ferro (µg/L Fe) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Manganês (µg/L Mn) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Nitratos[2] (mg/L $NO_3$) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Nitritos (mg/L $NO_2$) | 0,5 | --- | --- | --- | --- | --- | --- | --- |
| Oxidabilidade (mg/L $O_2$) | 5 | --- | --- | --- | --- | --- | --- | --- |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Turvação (NTU) | 4 | <0,7 | <0,7 | 0 | 100% | 1 | 1 | 100% |
| Antimónio (µg/L Sb) | 5 | --- | --- | --- | --- | --- | --- | --- |
| Arsénio (µg/L As) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Benzeno (µg/L) | 1,0 | --- | --- | --- | --- | --- | --- | --- |
| Benzo(a)pireno (µg/L) | 0,010 | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Boro (mg/L B) | 1,0 | --- | --- | --- | --- | --- | --- | --- |
| Bromatos (µg/L $BrO_3$) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cádmio (µg/L Cd) | 5,0 | --- | --- | --- | --- | --- | --- | --- |
| Cálcio (mg/L Ca) | --- | --- | --- | --- | --- | --- | --- | --- |
| Chumbo (µg/L Pb) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cianetos (µg/L CN) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Cobre (mg/L Cu) | 2,0 | --- | --- | --- | --- | --- | --- | --- |
| Crómio (µg/L Cr) | 50 | --- | --- | --- | --- | --- | --- | --- |
| 1,2 – dicloroetano (µg/L) | 3,0 | --- | --- | --- | --- | --- | --- | --- |
| Dureza total (mg/L CaCO3) | --- | --- | --- | --- | --- | --- | --- | --- |
| Enterococos (N/100 mL) | 0 | 0 | 0 | 0 | 100% | 1 | 1 | 100% |
| Fluoretos (mg/L F) | 1,5 | --- | --- | --- | --- | --- | --- | --- |
| Magnésio (mg/L Mg) | --- | --- | --- | --- | --- | --- | --- | --- |
| Mercúrio (µg/L Hg) | 1 | --- | --- | --- | --- | --- | --- | --- |
| Níquel (µg/L Ni) | 20 | --- | --- | --- | --- | --- | --- | --- |
| Selénio (µg/L Se) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cloretos (mg/L Cl) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Sódio (mg/L Na) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Sulfatos (mg/L $SO_4$) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Carbono Orgânico Total (mg/L C) | Sem alteração anormal | --- | --- | --- | --- | --- | --- | --- |
| Tetracloroeteno e Tricloroeteno (µg/L): | 10 | --- | --- | --- | --- | --- | --- | --- |
| Tetracloroeteno(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Tricloroeteno(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| 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) | --- | --- | --- | --- | --- | --- | --- | --- |
| Trihalometanos - total (µg/L): | 100 | --- | --- | --- | --- | --- | --- | --- |
| Clorofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromodiclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Dibromoclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Radão (Bq/L) | 100 | --- | --- | --- | --- | --- | --- | --- |
| Alpha total (Bq/L) | 0,1 | --- | --- | --- | --- | --- | --- | --- |

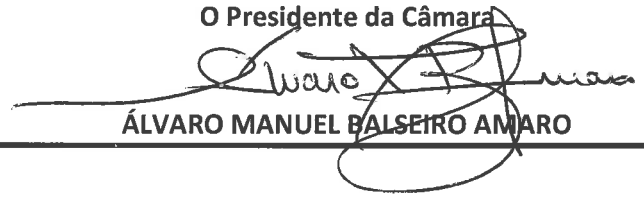
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Beta total (Bq/L) | 1 | --- | --- | --- | --- | --- | --- | --- |
| Dose Indicativa total (mSv/yr) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| | | | | | | | | |

**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 Presidente da Câmara**



**ÁLVARO MANUEL BALSEIRO AMARO**

**Data da publicitação: 28/06/2022**

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO DE BISCAIA / BREJOS DO ASSA DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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) | --- | 0,4 | 0,5 | 0 | 100% | 6 | 6 | 100% |
| *Escherichia coli* (N/100 ml) | 0 | 0 | 0 | 0 | 100% | 6 | 6 | 100% |
| Bactérias coliformes (N/100 ml) | 0 | 0 | 0 | 0 | 100% | 6 | 6 | 100% |
| Enterococos (N/100 mL) | 0 | 0 | 0 | 0 | 100% | 2 | 2 | 100% |
| *Clostridium perfringens* (N/100ml) | 0 | --- | --- | --- | --- | --- | --- | --- |
| Número de colónias a 22 ºC (N/ml) | Sem alteração anormal | ND | 19 | 0 | 100% | 2 | 2 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | ND | 14 | 0 | 100% | 2 | 2 | 100% |
| pH (Unidades pH) | ≥6,5 e ≤9 | 7,0 | 7,0 | 0 | 100% | 2 | 2 | 100% |
| Condutividade (µS/cm a 20ºC) | 2500 | 218 | 221 | 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% |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 2 | 2 | 100% |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 2 | 2 | 100% |
| Antimónio (µg/L Sb) | 5 | --- | --- | --- | --- | --- | --- | --- |
| Arsénio (µg/L As) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Nitratos[2] (mg/L $NO_3$) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Nitritos (mg/L $NO_2$) | 0,5 | --- | --- | --- | --- | --- | --- | --- |
| Boro (mg/L B) | 1,0 | --- | --- | --- | --- | --- | --- | --- |

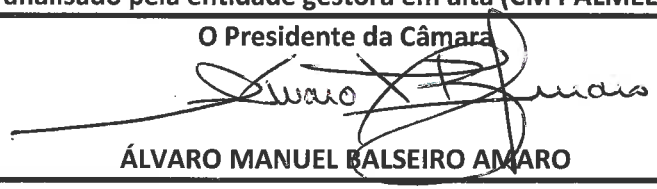
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Cianetos (µg/L CN) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Crómio (µg/L Cr) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Oxidabilidade (mg/L $O_2$) | 5 | --- | --- | --- | --- | --- | --- | --- |
| Manganês (µg/L Mn) | 50 | --- | --- | --- | --- | --- | --- | --- |
| 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 $BrO_3$) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Sulfatos (mg/L $SO_4$) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Dureza total (mg/L CaCO3) | --- | --- | --- | --- | --- | --- | --- | --- |
| Selénio (µg/L Se) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Pesticidas | | | | | | | | |
| 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 (µq/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Pesticidas – total (µg/L) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Desetil-simazina (µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Simazina (µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| COV | | --- | --- | --- | --- | --- | --- | --- |
| 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) | --- | --- | --- | --- | --- | --- | --- | --- |
| HAP | | --- | --- | --- | --- | --- | --- | --- |
| 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 | --- | --- | --- | --- | --- | --- | --- |
| Radiológicos | | | | | | | | |
| 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 )

O Presidente da Câmara



ÁLVARO MANUEL BALSEIRO AMARO

Data da publicitação: 28/06/2022

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO DE CAJADOS DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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 | |
| *Escherichia coli* (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% |
| Alumínio (µg/L Al) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Número de colónias a 22 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 1 | 1 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 1 | 1 | 100% |
| Condutividade (µS/cm a 20ºC) | 2500 | 187 | 187 | 0 | 100% | 1 | 1 | 100% |
| *Clostridium perfringens* (N/100ml) | 0 | --- | --- | --- | --- | --- | --- | --- |
| Cor (mg/L PtCo) | 20 | <5 | <5 | 0 | 100% | 1 | 1 | 100% |
| pH (Unidades pH) | ≥6,5 e ≤9 | 6,3 | 6,3 | 1 | 0% | 1 | 1 | 100% |
| Ferro (µg/L Fe) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Manganês (µg/L Mn) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Nitratos[2] (mg/L $NO_3$) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Nitritos (mg/L $NO_2$) | 0,5 | --- | --- | --- | --- | --- | --- | --- |
| Oxidabilidade (mg/L $O_2$) | 5 | --- | --- | --- | --- | --- | --- | --- |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Turvação (NTU) | 4 | <0,7 | <0,7 | 0 | 100% | 1 | 1 | 100% |
| Antimónio (µg/L Sb) | 5 | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Arsénio (µg/L As) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Benzeno (µg/L) | 1,0 | --- | --- | --- | --- | --- | --- | --- |
| Benzo(a)pireno (µg/L) | 0,010 | --- | --- | --- | --- | --- | --- | --- |
| Boro (mg/L B) | 1,0 | --- | --- | --- | --- | --- | --- | --- |
| Bromatos (µg/L $BrO_3$) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cádmio (µg/L Cd) | 5,0 | --- | --- | --- | --- | --- | --- | --- |
| Cálcio (mg/L Ca) | --- | --- | --- | --- | --- | --- | --- | --- |
| Chumbo (µg/L Pb) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cianetos (µg/L CN) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Cobre (mg/L Cu) | 2,0 | --- | --- | --- | --- | --- | --- | --- |
| Crómio (µg/L Cr) | 50 | --- | --- | --- | --- | --- | --- | --- |
| 1,2 – dicloroetano (µg/L) | 3,0 | --- | --- | --- | --- | --- | --- | --- |
| Dureza total (mg/L CaCO3) | --- | --- | --- | --- | --- | --- | --- | --- |
| Enterococos (N/100 mL) | 0 | --- | --- | --- | --- | --- | --- | --- |
| Fluoretos (mg/L F) | 1,5 | --- | --- | --- | --- | --- | --- | --- |
| Magnésio (mg/L Mg) | --- | --- | --- | --- | --- | --- | --- | --- |
| Mercúrio (µg/L Hg) | 1 | --- | --- | --- | --- | --- | --- | --- |
| Níquel (µg/L Ni) | 20 | --- | --- | --- | --- | --- | --- | --- |
| Selénio (µg/L Se) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cloretos (mg/L Cl) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Sódio (mg/L Na) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Sulfatos (mg/L $SO_4$) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Carbono Orgânico Total (mg/L C) | Sem alteração anormal | --- | --- | --- | --- | --- | --- | --- |
| Tetracloroeteno e Tricloroeteno (µg/L): | 10 | --- | --- | --- | --- | --- | --- | --- |
| Tetracloroeteno(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Tricloroeteno(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| 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) | --- | --- | --- | --- | --- | --- | --- | --- |
| Trihalometanos - total (µg/L): | 100 | --- | --- | --- | --- | --- | --- | --- |
| Clorofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromodiclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Dibromoclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Pesticidas – total (µg/L) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Desetil-terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Alacloro (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Bentazona (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Radão (Bq/L) | 500,00 | --- | --- | --- | --- | --- | --- | --- |
| Alpha total (Bq/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Beta total (Bq/L) | 1,00 | --- | --- | --- | --- | --- | --- | --- |
| Dose Indicativa total (mSv/yr) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| | | | | | | | | |

**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. 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 publicitação: 28/06/2022**

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO CARRASCAS DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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 | 0,7 | 0 | 100% | 3 | 3 | 100% |
| *Escherichia coli* (N/100 ml) | 0 | 0 | 0 | 0 | 100% | 3 | 3 | 100% |
| Bactérias coliformes (N/100 ml) | 0 | 0 | 0 | 0 | 100% | 3 | 3 | 100% |
| Enterococos (N/100 mL) | 0 | 0 | 0 | 0 | 100% | 1 | 1 | 100% |
| *Clostridium perfringens* (N/100ml) | 0 | 0 | 0 | 0 | 100% | 1 | 1 | 100% |
| Número de colónias a 22 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 1 | 1 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 1 | 1 | 100% |
| pH (Unidades pH) | ≥6,5 e ≤9 | 6,9 | 7,1 | 0 | 100% | 1 | 1 | 100% |
| Nitratos[2] (mg/L $NO_3$) | 50 | 18,8 | 18,8 | 0 | 100% | 1 | 1 | 100% |
| Nitritos (mg/L $NO_2$) | 0,5 | <0,02 | <0,02 | 0 | 100% | 1 | 1 | 100% |
| Condutividade (µS/cm a 20ºC) | 2500 | 387 | 436 | 0 | 100% | 1 | 1 | 100% |
| Turvação (NTU) | 4 | <0,7 | <0,7 | 0 | 100% | 1 | 1 | 100% |
| Cloretos (mg/L Cl) | 250 | 41 | 41 | 0 | 100% | 1 | 1 | 100% |
| Fluoretos (mg/L F) | 1,5 | <0,40 | <0,40 | 0 | 100% | 1 | 1 | 100% |
| Sulfatos (mg/L $SO_4$) | 250 | 13,9 | 13,9 | 0 | 100% | 1 | 1 | 100% |
| Cálcio (mg/L Ca) | --- | 64,5 | 64,5 | 0 | 100% | 1 | 1 | 100% |
| Cianetos (µg/L CN) | 50 | <10 | <10 | 0 | 100% | 1 | 1 | 100% |
| Mercúrio (µg/L Hg) | 1 | <0,02 | <0,02 | 0 | 100% | 1 | 1 | 100% |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | <0,05 | <0,05 | 0 | 100% | 1 | 1 | 100% |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Alumínio (µg/L Al) | 200 | <50 | <50 | 0 | 100% | 1 | 1 | 100% |
| Crómio (µg/L Cr) | 50 | <10 | <10 | 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% |
| Cor (mg/L PtCo) | 20 | <5 | <5 | 0 | 100% | 1 | 1 | 100% |
| Níquel (µg/L Ni) | 20 | <5 | <5 | 0 | 100% | 1 | 1 | 100% |
| Ferro (µg/L Fe) | 200 | <50 | <50 | 0 | 100% | 1 | 1 | 100% |
| Manganês (µg/L Mn) | 50 | <10 | <10 | 0 | 100% | 1 | 1 | 100% |
| Dureza total (mg/L CaCO3) | --- | 188 | 188 | 0 | 100% | 1 | 1 | 100% |
| Oxidabilidade (mg/L $O_2$) | 5 | <1 | <1 | 0 | 100% | 1 | 1 | 100% |
| Cádmio (µg/L Cd) | 5,0 | <0,4 | <0,4 | 0 | 100% | 1 | 1 | 100% |
| Bromatos (µg/L $BrO_3$) | 10 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Magnésio (mg/L Mg) | --- | 6,6 | 6,6 | 0 | 100% | 1 | 1 | 100% |
| Sódio (mg/L Na) | 200 | 21,3 | 21,3 | 0 | 100% | 1 | 1 | 100% |
| Boro (mg/L B) | 1,0 | <0,2 | <0,2 | 0 | 100% | 1 | 1 | 100% |
| Cobre (mg/L Cu) | 2,0 | 0,014 | 0,014 | 0 | 100% | 1 | 1 | 100% |
| Selénio (µg/L Se) | 10 | <2 | <2 | 0 | 100% | 1 | 1 | 100% |
| Chumbo (µg/L Pb) | 10 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| COV | | | | | | | | |
| 1,2 – dicloroetano (µg/L) | 3,0 | <0,750 | <0,750 | 0 | 100% | 1 | 1 | 100% |
| Clorofórmio(µg/L) | --- | 0,2 | 0,2 | 0 | 100% | 1 | 1 | 100% |
| Bromodiclorometano(µg/L) | --- | 0,3 | 0,3 | 0 | 100% | 1 | 1 | 100% |
| Dibromoclorometano(µg/L) | --- | 0,8 | 0,8 | 0 | 100% | 1 | 1 | 100% |
| Bromofórmio(µg/L) | --- | 1,33 | 1,33 | 0 | 100% | 1 | 1 | 100% |
| Tricloroeteno(µg/L) | --- | <0,10 | <0,10 | 0 | 100% | 1 | 1 | 100% |
| Trihalometanos - total (µg/L) | 100 | 2,63 | 2,63 | 0 | 100% | 1 | 1 | 100% |
| Tetracloroeteno(µg/L) | --- | <0,20 | <0,20 | 0 | 100% | 1 | 1 | 100% |
| Tetracloroeteno e Tricloroeteno (µg/L) | 10 | <0,20 | <0,20 | 0 | 100% | 1 | 1 | 100% |
| HPA | 0,100 | <0,020 | <0,020 | 0 | 100% | 1 | 1 | 100% |
| Benzeno (µg/L) | 1,0 | <0,20 | <0,20 | 0 | 100% | 1 | 1 | 100% |
| 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 | <0,0050 | <0,0050 | 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% |
| Pesticidas | | | | | | | | |
| Bentazona (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% |
| Metalaxil(µg/L) | | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| Alacloro (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% |
| Desetil-terbutilazina (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% |
| Imidaclopride (µg/L) | - | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| Simazina (µg/L) | - | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| Desetilsimazina (µg/L) | - | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| Radiológicos | | | | | | | | |
| Radão (Bq/L) | 500 | <10 | <10 | 0 | 100% | 1 | 1 | 100% |
| Dose Indicativa total (mSv/yr) | 0,1 | <0,1 | <0,1 | 0 | 100% | 1 | 1 | 100% |
| Alpha total (Bq/L) | 0,1 | <0,04 | <0,04 | 0 | 100% | 1 | 1 | 100% |
| | | | | | | | | |

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 publicitação: 28/06/2022

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO: CARREGUEIRA DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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 | |
| *Escherichia coli* (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 | 0,4 | 0 | 100% | 3 | 3 | 100% |
| Alumínio (µg/L Al) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Número de colónias a 22 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 3 | 3 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 3 | 3 | 100% |
| Condutividade (µS/cm a 20ºC) | 2500 | 366 | 366 | 0 | 100% | 3 | 3 | 100% |
| *Clostridium perfringens* (N/100ml) | 0 | --- | --- | --- | --- | --- | --- | --- |
| Cor (mg/L PtCo) | 20 | <5 | <5 | 0 | 100% | 3 | 3 | 100% |
| pH (Unidades pH) | ≥6,5 e ≤9 | 7,8 | 7,8 | 0 | 100% | 3 | 3 | 100% |
| Ferro (µg/L Fe) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Manganês (µg/L Mn) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Nitratos[2] (mg/L $NO_3$) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Nitritos (mg/L $NO_2$) | 0,5 | --- | --- | --- | --- | --- | --- | --- |
| Oxidabilidade (mg/L $O_2$) | 5 | --- | --- | --- | --- | --- | --- | --- |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 3 | 3 | 100% |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 3 | 3 | 100% |
| Turvação (NTU) | 4 | <0,7 | <0,7 | 0 | 100% | 3 | 3 | 100% |
| Antimónio (µg/L Sb) | 5 | --- | --- | --- | --- | --- | --- | --- |
| Arsénio (µg/L As) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Benzeno (µg/L) | 1,0 | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Benzo(a)pireno (µg/L) | 0,010 | --- | --- | --- | --- | --- | --- | --- |
| Boro (mg/L B) | 1,0 | --- | --- | --- | --- | --- | --- | --- |
| Bromatos (µg/L $BrO_3$) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cádmio (µg/L Cd) | 5,0 | --- | --- | --- | --- | --- | --- | --- |
| Cálcio (mg/L Ca) | --- | --- | --- | --- | --- | --- | --- | --- |
| Chumbo (µg/L Pb) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cianetos (µg/L CN) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Cobre (mg/L Cu) | 2,0 | --- | --- | --- | --- | --- | --- | --- |
| Crómio (µg/L Cr) | 50 | --- | --- | --- | --- | --- | --- | --- |
| 1,2 – dicloroetano (µg/L) | 3,0 | --- | --- | --- | --- | --- | --- | --- |
| Dureza total (mg/L CaCO3) | --- | --- | --- | --- | --- | --- | --- | --- |
| Enterococos (N/100 mL) | 0 | --- | --- | --- | --- | --- | --- | --- |
| Fluoretos (mg/L F) | 1,5 | --- | --- | --- | --- | --- | --- | --- |
| Magnésio (mg/L Mg) | --- | --- | --- | --- | --- | --- | --- | --- |
| Mercúrio (µg/L Hg) | 1 | --- | --- | --- | --- | --- | --- | --- |
| Níquel (µg/L Ni) | 20 | --- | --- | --- | --- | --- | --- | --- |
| Selénio (µg/L Se) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cloretos (mg/L Cl) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Sódio (mg/L Na) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Sulfatos (mg/L $SO_4$) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Carbono Orgânico Total (mg/L C) | Sem alteração anormal | --- | --- | --- | --- | --- | --- | --- |
| Tetracloroeteno e Tricloroeteno (µg/L): | 10 | --- | --- | --- | --- | --- | --- | --- |
| Tetracloroeteno(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Tricloroeteno(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| 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) | --- | --- | --- | --- | --- | --- | --- | --- |
| Trihalometanos - total (µg/L): | 100 | --- | --- | --- | --- | --- | --- | --- |
| Clorofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromodiclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Dibromoclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Pesticidas – total (µg/L) | 0,50 | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Desetil-terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Alacloro (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Bentazona (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Radão (Bq/L) | 500,00 | --- | --- | --- | --- | --- | --- | --- |
| Alpha total (Bq/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Beta total (Bq/L) | 1,00 | --- | --- | --- | --- | --- | --- | --- |
| Dose Indicativa total (mSv/yr) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| | | | | | | | | |

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

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

**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 publicitação: 28/06/2022**

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO FERNANDO PÓ DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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 | |
| *Escherichia coli* (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 | 0,5 | 0 | 100% | 2 | 2 | 100% |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| pH (Unidades pH) | ≥6,5 e ≤9 | 6,3 | 6,3 | 1 | 0% | 1 | 1 | 100% |
| Condutividade (µS/cm a 20ºC) | 2500 | 165,6 | 165,6 | 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 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 1 | 1 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 1 | 1 | 100% |
| *Clostridium perfringens* (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[2] (mg/L $NO_3$) | 50 | 21,1 | 21,1 | 0 | 100% | 1 | 1 | 100% |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | <0,05 | <0,05 | 0 | 100% | 1 | 1 | 100% |
| Nitritos (mg/L $NO_2$) | 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 $O_2$) | 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) | --- | 4,6 | 4,6 | 0 | 100% | 1 | 1 | 100% |
| Níquel (µg/L Ni) | 20 | <5 | <5 | 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 | 1 | 100% |
| Fluoretos (mg/L F) | 1,5 | <0,4 | <0,4 | 0 | 100% | 1 | 1 | 100% |
| Cloretos (mg/L Cl) | 250 | 35 | 35 | 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 | 3,3 | 0 | 100% | 1 | 1 | 100% |
| Sódio (mg/L Na) | 200 | 23,3 | 23,3 | 0 | 100% | 1 | 1 | 100% |
| Bromatos (µg/L $BrO_3$) | 10 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Sulfatos (mg/L $SO_4$) | 250 | 4 | 4 | 0 | 100% | 1 | 1 | 100% |
| Dureza total (mg/L CaCO3) | --- | 27,5 | 27,5 | 0 | 100% | 1 | 1 | 100% |
| Selénio (µg/L Se) | 10 | <2 | <2 | 0 | 100% | 1 | 1 | 100% |
| Pesticidas | | | | | | | | |
| Bentazona (µg/L) | 0,10 | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 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 (µq/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% |
| COV | | | | | | | | |
| 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) | --- | 0,12 | 0,12 | 0 | 100% | 1 | 1 | 100% |
| Bromofórmio(µg/L) | --- | 1,48 | 1,48 | 0 | 100% | 1 | 1 | 100% |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Clorofórmio(µg/L) | --- | 0,15 | 0,15 | 0 | 100% | 1 | 1 | 100% |
| Dibromoclorometano(µg/L) | --- | 0,55 | 0,55 | 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 | 2,3 | 2,3 | 0 | 100% | 1 | 1 | 100% |
| Tetracloroeteno(µg/L) | --- | <0,20 | <0,20 | 0 | 100% | 1 | 1 | 100% |
| HAP | --- | <0,020 | <0,020 | 0 | 100% | 1 | 1 | 100% |
| 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% |
| carbonetos Aromáticos Policíclicos (µg/L): | 0,10 | <0,020 | <0,020 | 0 | 100% | 1 | 1 | 100% |
| Radiológicos | | | | | | | | |
| Alpha total (Bq/L) | 0,10 | 0,06 | 0,06 | 0 | 100% | 1 | 1 | 100% |
| Radão (Bq/L) | 500,00 | <10 | <10 | 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: FERNANDO PÓ**

**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 publicitação: 28/06/2022**

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO: GÂMBIA DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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 | |
| *Escherichia coli* (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% |
| Alumínio (µg/L Al) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Número de colónias a 22 ºC (N/ml) | Sem alteração anormal | --- | --- | --- | --- | --- | --- | --- |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | --- | --- | --- | --- | --- | --- | --- |
| Condutividade (µS/cm a 20ºC) | 2500 | --- | --- | --- | --- | --- | --- | --- |
| *Clostridium perfringens* (N/100ml) | 0 | --- | --- | --- | --- | --- | --- | --- |
| Cor (mg/L PtCo) | 20 | --- | --- | --- | --- | --- | --- | --- |
| pH (Unidades pH) | ≥6,5 e ≤9 | --- | --- | --- | --- | --- | --- | --- |
| Ferro (µg/L Fe) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Manganês (µg/L Mn) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Nitratos[2] (mg/L $NO_3$) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Nitritos (mg/L $NO_2$) | 0,5 | --- | --- | --- | --- | --- | --- | --- |
| Oxidabilidade (mg/L $O_2$) | 5 | --- | --- | --- | --- | --- | --- | --- |
| Cheiro a 25ºC (Factor de diluição) | 3 | --- | --- | --- | --- | --- | --- | --- |
| Sabor a 25ºC (Factor de diluição) | 3 | --- | --- | --- | --- | --- | --- | --- |
| Turvação (NTU) | 4 | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Antimónio (µg/L Sb) | 5 | --- | --- | --- | --- | --- | --- | --- |
| Arsénio (µg/L As) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Benzeno (µg/L) | 1,0 | --- | --- | --- | --- | --- | --- | --- |
| Benzo(a)pireno (µg/L) | 0,010 | --- | --- | --- | --- | --- | --- | --- |
| Boro (mg/L B) | 1,0 | --- | --- | --- | --- | --- | --- | --- |
| Bromatos (µg/L $BrO_3$) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cádmio (µg/L Cd) | 5,0 | --- | --- | --- | --- | --- | --- | --- |
| Cálcio (mg/L Ca) | --- | --- | --- | --- | --- | --- | --- | --- |
| Chumbo (µg/L Pb) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cianetos (µg/L CN) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Cobre (mg/L Cu) | 2,0 | --- | --- | --- | --- | --- | --- | --- |
| Crómio (µg/L Cr) | 50 | --- | --- | --- | --- | --- | --- | --- |
| 1,2 – dicloroetano (µg/L) | 3,0 | --- | --- | --- | --- | --- | --- | --- |
| Dureza total (mg/L CaCO3) | --- | --- | --- | --- | --- | --- | --- | --- |
| Enterococos (N/100 mL) | 0 | --- | --- | --- | --- | --- | --- | --- |
| Fluoretos (mg/L F) | 1,5 | --- | --- | --- | --- | --- | --- | --- |
| Magnésio (mg/L Mg) | --- | --- | --- | --- | --- | --- | --- | --- |
| Mercúrio (µg/L Hg) | 1 | --- | --- | --- | --- | --- | --- | --- |
| Níquel (µg/L Ni) | 20 | --- | --- | --- | --- | --- | --- | --- |
| Selénio (µg/L Se) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cloretos (mg/L Cl) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Sódio (mg/L Na) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Sulfatos (mg/L $SO_4$) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Carbono Orgânico Total (mg/L C) | Sem alteração anormal | --- | --- | --- | --- | --- | --- | --- |
| Tetracloroeteno e Tricloroeteno (µg/L): | 10 | --- | --- | --- | --- | --- | --- | --- |
| Tetracloroeteno(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Tricloroeteno(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| 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) | --- | --- | --- | --- | --- | --- | --- | --- |
| Trihalometanos - total (µg/L): | 100 | --- | --- | --- | --- | --- | --- | --- |
| Clorofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Bromofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromodiclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Dibromoclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Pesticidas – total (µg/L) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Desetil-terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Alacloro (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Bentazona (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Radão (Bq/L) | 500,00 | --- | --- | --- | --- | --- | --- | --- |
| Alpha total (Bq/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Beta total (Bq/L) | 1,00 | --- | --- | --- | --- | --- | --- | --- |
| Dose Indicativa total (mSv/yr) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| | | --- | --- | --- | --- | --- | --- | --- |

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

**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 publicitação: 28/06/2022**

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO LAGOÍNHA DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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 | |
| *Escherichia coli* (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 | 0,6 | --- | --- | 3 | 3 | 100% |
| Alumínio (µg/L Al) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Número de colónias a 22 ºC (N/ml) | Sem alteração anormal | N/D | N/D | 0 | 100% | 1 | 1 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | N/D | N/D | 0 | 100% | 1 | 1 | 100% |
| Condutividade (µS/cm a 20ºC) | 2500 | 153,7 | 153,7 | 0 | 100% | 1 | 1 | 100% |
| *Clostridium perfringens* (N/100ml) | 0 | --- | --- | --- | --- | --- | --- | --- |
| Cor (mg/L PtCo) | 20 | <5 | <5 | 0 | 100% | 1 | 1 | 100% |
| pH (Unidades pH) | ≥6,5 e ≤9 | 6,7 | 6,7 | 0 | 100% | 1 | 1 | 100% |
| Ferro (µg/L Fe) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Manganês (µg/L Mn) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Nitratos[2] (mg/L $NO_3$) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Nitritos (mg/L $NO_2$) | 0,5 | --- | --- | --- | --- | --- | --- | --- |
| Oxidabilidade (mg/L $O_2$) | 5 | --- | --- | --- | --- | --- | --- | --- |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Turvação (NTU) | 4 | <0,7 | <0,7 | 0 | 100% | 1 | 1 | 100% |
| Antimónio (µg/L Sb) | 5 | --- | --- | --- | --- | --- | --- | --- |
| Arsénio (µg/L As) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Benzeno (µg/L) | 1,0 | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Benzo(a)pireno (µg/L) | 0,010 | --- | --- | --- | --- | --- | --- | --- |
| Boro (mg/L B) | 1,0 | --- | --- | --- | --- | --- | --- | --- |
| Bromatos (µg/L $BrO_3$) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cádmio (µg/L Cd) | 5,0 | --- | --- | --- | --- | --- | --- | --- |
| Cálcio (mg/L Ca) | --- | --- | --- | --- | --- | --- | --- | --- |
| Chumbo (µg/L Pb) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cianetos (µg/L CN) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Cobre (mg/L Cu) | 2,0 | --- | --- | --- | --- | --- | --- | --- |
| Crómio (µg/L Cr) | 50 | --- | --- | --- | --- | --- | --- | --- |
| 1,2 – dicloroetano (µg/L) | 3,0 | --- | --- | --- | --- | --- | --- | --- |
| Dureza total (mg/L CaCO3) | --- | --- | --- | --- | --- | --- | --- | --- |
| Enterococos (N/100 mL) | 0 | 0 | 0 | 0 | 100% | 1 | 1 | 100% |
| Fluoretos (mg/L F) | 1,5 | --- | --- | --- | --- | --- | --- | --- |
| Magnésio (mg/L Mg) | --- | --- | --- | --- | --- | --- | --- | --- |
| Mercúrio (µg/L Hg) | 1 | --- | --- | --- | --- | --- | --- | --- |
| Níquel (µg/L Ni) | 20 | --- | --- | --- | --- | --- | --- | --- |
| Selénio (µg/L Se) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cloretos (mg/L Cl) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Sódio (mg/L Na) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Sulfatos (mg/L $SO_4$) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Carbono Orgânico Total (mg/L C) | Sem alteração anormal | --- | --- | --- | --- | --- | --- | --- |
| Tetracloroeteno e Tricloroeteno (µg/L): | 10 | --- | --- | --- | --- | --- | --- | --- |
| Tetracloroeteno(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Tricloroeteno(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| 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) | --- | --- | --- | --- | --- | --- | --- | --- |
| Trihalometanos - total (µg/L): | 100 | --- | --- | --- | --- | --- | --- | --- |
| Clorofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromodiclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Dibromoclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Pesticidas – total (µg/L) | 0,50 | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Desetil-terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Alacloro (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Bentazona (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Radão (Bq/L) | 500,00 | --- | --- | --- | --- | --- | --- | --- |
| Alpha total (Bq/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Beta total (Bq/L) | 1,00 | --- | --- | --- | --- | --- | --- | --- |
| Dose Indicativa total (mSv/yr) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| | | --- | --- | --- | --- | --- | --- | --- |

**NOTA 1: Zonas de abastecimento controladas: identificar quais LAGOÍNHA**

**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 publicitação: 28/06/2022**

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO MARQUESAS DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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) | --- | 0,5 | 0,5 | 0 | 100% | 3 | 3 | 100% |
| *Escherichia coli* (N/100 ml) | 0 | 0 | 0 | 0 | 100% | 3 | 3 | 100% |
| Bactérias coliformes (N/100 ml) | 0 | 0 | 0 | 0 | 100% | 3 | 3 | 100% |
| Enterococos (N/100 mL) | 0 | 0 | 10 | 1 | 50% | 2 | 2 | 100% |
| *Clostridium perfringens* (N/100ml) | 0 | 0 | 0 | 0 | 100% | 1 | 1 | 100% |
| Número de colónias a 22 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 2 | 2 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 2 | 2 | 100% |
| pH (Unidades pH) | ≥6,5 e ≤9 | 6,3 | 6,6 | 1 | 50% | 2 | 2 | 100% |
| Nitratos[2] (mg/L $NO_3$) | 50 | 5,35 | 5,35 | 0 | 100% | 1 | 1 | 100% |
| Nitritos (mg/L $NO_2$) | 0,5 | <0,02 | <0,02 | 0 | 100% | 1 | 1 | 100% |
| Condutividade (µS/cm a 20ºC) | 2500 | 107,2 | 110,7 | 0 | 100% | 2 | 2 | 100% |
| Turvação (NTU) | 4 | <0,7 | <0,7 | 0 | 100% | 2 | 2 | 100% |
| Cloretos (mg/L Cl) | 250 | 22 | 22 | 0 | 100% | 1 | 1 | 100% |
| Fluoretos (mg/L F) | 1,5 | <0,40 | <0,40 | 0 | 100% | 1 | 1 | 100% |
| Sulfatos (mg/L $SO_4$) | 250 | <4 | <4 | 0 | 100% | 1 | 1 | 100% |
| Cálcio (mg/L Ca) | --- | 8,3 | 8,3 | 0 | 100% | 1 | 1 | 100% |
| Cianetos (µg/L CN) | 50 | <10 | <10 | 0 | 100% | 1 | 1 | 100% |
| Mercúrio (µg/L Hg) | 1 | <0,02 | <0,02 | 0 | 100% | 1 | 1 | 100% |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | <0,05 | <0,05 | 0 | 100% | 1 | 1 | 100% |
| Alumínio (µg/L Al) | 200 | <50 | <50 | 0 | 100% | 1 | 1 | 100% |
| Crómio (µg/L Cr) | 50 | <10 | <10 | 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% |
| Cor (mg/L PtCo) | 20 | <5 | <5 | 0 | 100% | 2 | 2 | 100% |
| Níquel (µg/L Ni) | 20 | <5 | <5 | 0 | 100% | 1 | 1 | 100% |
| Ferro (µg/L Fe) | 200 | <50 | <50 | 0 | 100% | 1 | 1 | 100% |
| Manganês (µg/L Mn) | 50 | <10 | <10 | 0 | 100% | 1 | 1 | 100% |
| Dureza total (mg/L CaCO3) | --- | 30,2 | 30,2 | 0 | 100% | 1 | 1 | 100% |
| Oxidabilidade (mg/L $O_2$) | 5 | <1 | <1 | 0 | 100% | 1 | 1 | 100% |
| Cádmio (µg/L Cd) | 5,0 | <0,4 | <0,4 | 0 | 100% | 1 | 1 | 100% |
| Bromatos (µg/L $BrO_3$) | 10 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 2 | 2 | 100% |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 2 | 2 | 100% |
| Magnésio (mg/L Mg) | --- | 2,3 | 2,3 | 0 | 100% | 1 | 1 | 100% |
| Sódio (mg/L Na) | 200 | 16,4 | 16,4 | 0 | 100% | 1 | 1 | 100% |
| Boro (mg/L B) | 1,0 | <0,2 | <0,2 | 0 | 100% | 1 | 1 | 100% |
| Cobre (mg/L Cu) | 2,0 | 0,048 | 0,048 | 0 | 100% | 1 | 1 | 100% |
| Selénio (µg/L Se) | 10 | <2 | <2 | 0 | 100% | 1 | 1 | 100% |
| Chumbo (µg/L Pb) | 10 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| COV | | | | | | | | |
| 1,2 – dicloroetano (µg/L) | 3,0 | <0,750 | <0,750 | 0 | 100% | 1 | 1 | 100% |
| Clorofórmio(µg/L) | --- | 0,24 | 0,24 | 0 | 100% | 1 | 1 | 100% |
| Bromodiclorometano(µg/L) | --- | 0,27 | 0,27 | 0 | 100% | 1 | 1 | 100% |
| Dibromoclorometano(µg/L) | --- | 0,5 | 0,5 | 0 | 100% | 1 | 1 | 100% |
| Bromofórmio(µg/L) | --- | 0,66 | 0,66 | 0 | 100% | 1 | 1 | 100% |
| Tricloroeteno(µg/L) | --- | <0,10 | <0,10 | 0 | 100% | 1 | 1 | 100% |
| Trihalometanos - total (µg/L) | 100 | 1,67 | 1,67 | 0 | 100% | 1 | 1 | 100% |
| Tetracloroeteno(µg/L) | --- | <0,20 | <0,20 | 0 | 100% | 1 | 1 | 100% |
| Tetracloroeteno e Tricloroeteno (µg/L) | 10 | <0,20 | <0,20 | 0 | 100% | 1 | 1 | 100% |
| HPA | 0,100 | <0,020 | <0,020 | 0 | 100% | 1 | 1 | 100% |
| Benzeno (µg/L) | 1,0 | <0,20 | <0,20 | 0 | 100% | 1 | 1 | 100% |
| 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 | <0,0050 | <0,0050 | 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% |

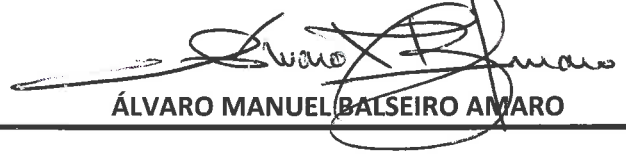
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Pesticidas** | | | | | | | | |
| **Bentazona (µg/L)** | 0,10 | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| **Clorpirifos(µg/L)** | | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| **Metalaxil(µg/L)** | | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| **Alacloro (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% |
| **Desetil-terbutilazina (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% |
| **Imidaclopride (µg/L)** | - | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| **Simazina (µg/L)** | - | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| **Desetilsimazina (µg/L)** | - | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| **Radiológicos** | | | | | | | | |
| **Radão (Bq/L)** | 500 | <10 | <10 | 0 | 100% | 1 | 1 | 100% |
| **Dose Indicativa total (mSv/yr)** | 0,1 | <0,1 | <0,1 | 0 | 100% | 1 | 1 | 100% |
| **Alpha total (Bq/L)** | 0,1 | <0,04 | <0,04 | 0 | 100% | 1 | 1 | 100% |

**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 publicitação: 28/06/2022**

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO GOLFE DO MONTADO DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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 | |
| *Escherichia coli* (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% |
| Alumínio (µg/L Al) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Número de colónias a 22 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 1 | 1 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 1 | 1 | 100% |
| Condutividade (µS/cm a 20ºC) | 2500 | 160 | 160 | 0 | 100% | 1 | 1 | 100% |
| *Clostridium perfringens* (N/100ml) | 0 | --- | --- | --- | --- | --- | --- | --- |
| Cor (mg/L PtCo) | 20 | <5 | <5 | 0 | 100% | 1 | 1 | 100% |
| pH (Unidades pH) | ≥6,5 e ≤9 | 6 | 6 | 1 | 0% | 1 | 1 | 100% |
| Ferro (µg/L Fe) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Manganês (µg/L Mn) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Nitratos[2] (mg/L $NO_3$) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Nitritos (mg/L $NO_2$) | 0,5 | --- | --- | --- | --- | --- | --- | --- |
| Oxidabilidade (mg/L $O_2$) | 5 | --- | --- | --- | --- | --- | --- | --- |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Turvação (NTU) | 4 | <0,7 | <0,7 | 0 | 100% | 1 | 1 | 100% |
| Antimónio (µg/L Sb) | 5 | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Arsénio (µg/L As) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Benzeno (µg/L) | 1,0 | --- | --- | --- | --- | --- | --- | --- |
| Benzo(a)pireno (µg/L) | 0,010 | --- | --- | --- | --- | --- | --- | --- |
| Boro (mg/L B) | 1,0 | --- | --- | --- | --- | --- | --- | --- |
| Bromatos (µg/L $BrO_3$) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cádmio (µg/L Cd) | 5,0 | --- | --- | --- | --- | --- | --- | --- |
| Cálcio (mg/L Ca) | --- | --- | --- | --- | --- | --- | --- | --- |
| Chumbo (µg/L Pb) | 10 | --- | --- | --- | --- | --- | --- | 100% |
| Cianetos (µg/L CN) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Cobre (mg/L Cu) | 2,0 | --- | --- | --- | --- | --- | --- | --- |
| Crómio (µg/L Cr) | 50 | --- | --- | --- | --- | --- | --- | --- |
| 1,2 – dicloroetano (µg/L) | 3,0 | --- | --- | --- | --- | --- | --- | --- |
| Dureza total (mg/L CaCO3) | --- | --- | --- | --- | --- | --- | --- | --- |
| Enterococos (N/100 mL) | 0 | 0 | 0 | 0 | 100% | 1 | 1 | 100% |
| Fluoretos (mg/L F) | 1,5 | --- | --- | --- | --- | --- | --- | --- |
| Magnésio (mg/L Mg) | --- | --- | --- | --- | --- | --- | --- | --- |
| Mercúrio (µg/L Hg) | 1 | --- | --- | --- | --- | --- | --- | --- |
| Níquel (µg/L Ni) | 20 | --- | --- | --- | --- | --- | --- | --- |
| Selénio (µg/L Se) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cloretos (mg/L Cl) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Sódio (mg/L Na) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Sulfatos (mg/L $SO_4$) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Carbono Orgânico Total (mg/L C) | Sem alteração anormal | --- | --- | --- | --- | --- | --- | --- |
| Tetracloroeteno e Tricloroeteno (µg/L): | 10 | --- | --- | --- | --- | --- | --- | --- |
| Tetracloroeteno(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Tricloroeteno(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| 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) | --- | --- | --- | --- | --- | --- | --- | --- |
| Trihalometanos - total (µg/L): | 100 | --- | --- | --- | --- | --- | --- | --- |
| Clorofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Bromodiclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Dibromoclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Pesticidas – total (µg/L) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Desetil-terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Alacloro (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Bentazona (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Clorpirifos (µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Dirurão (µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Metalaxil (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Imidaclopride (µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Simazina (µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Desetilsimazina (µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Radão (Bq/L) | 500,00 | --- | --- | --- | --- | --- | --- | --- |
| Alpha total (Bq/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Beta total (Bq/L) | 1,00 | --- | --- | --- | --- | --- | --- | --- |
| 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 publicitação: 28/06/2022

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO: NÚCLEOS RURAIS DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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 | |
| *Escherichia coli* (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) | --- | 0,5 | 0,6 | 0 | 100% | 3 | 3 | 100% |
| Alumínio (µg/L Al) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Número de colónias a 22 ºC (N/ml) | Sem alteração anormal | N/D | N/D | 0 | 100% | 1 | 1 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | N/D | N/D | 0 | 100% | 1 | 1 | 100% |
| Condutividade (µS/cm a 20ºC) | 2500 | 199,6 | 199,6 | 0 | 100% | 1 | 1 | 100% |
| *Clostridium perfringens* (N/100ml) | 0 | --- | --- | --- | --- | --- | --- | --- |
| Cor (mg/L PtCo) | 20 | <5 | <5 | 0 | 100% | 1 | 1 | 100% |
| pH (Unidades pH) | ≥6,5 e ≤9 | 6,6 | 6,6 | 0 | 100% | 1 | 1 | 100% |
| Ferro (µg/L Fe) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Manganês (µg/L Mn) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Nitratos[2] (mg/L $NO_3$) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Nitritos (mg/L $NO_2$) | 0,5 | --- | --- | --- | --- | --- | --- | --- |
| Oxidabilidade (mg/L $O_2$) | 5 | --- | --- | --- | --- | --- | --- | --- |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Turvação (NTU) | 4 | <0,7 | <0,7 | 0 | 100% | 1 | 1 | 100% |
| Antimónio (µg/L Sb) | 5 | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Arsénio (µg/L As) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Benzeno (µg/L) | 1,0 | --- | --- | --- | --- | --- | --- | --- |
| Benzo(a)pireno (µg/L) | 0,010 | --- | --- | --- | --- | --- | --- | --- |
| Boro (mg/L B) | 1,0 | --- | --- | --- | --- | --- | --- | --- |
| Bromatos (µg/L $BrO_3$) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cádmio (µg/L Cd) | 5,0 | --- | --- | --- | --- | --- | --- | --- |
| Cálcio (mg/L Ca) | --- | --- | --- | --- | --- | --- | --- | --- |
| Chumbo (µg/L Pb) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cianetos (µg/L CN) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Cobre (mg/L Cu) | 2,0 | --- | --- | --- | --- | --- | --- | --- |
| Crómio (µg/L Cr) | 50 | --- | --- | --- | --- | --- | --- | --- |
| 1,2 – dicloroetano (µg/L) | 3,0 | --- | --- | --- | --- | --- | --- | --- |
| Dureza total (mg/L CaCO3) | --- | --- | --- | --- | --- | --- | --- | --- |
| Enterococos (N/100 mL) | 0 | 0 | 0 | 0 | 100% | 1 | 1 | 100% |
| Fluoretos (mg/L F) | 1,5 | --- | --- | --- | --- | --- | --- | --- |
| Magnésio (mg/L Mg) | --- | --- | --- | --- | --- | --- | --- | --- |
| Mercúrio (µg/L Hg) | 1 | --- | --- | --- | --- | --- | --- | --- |
| Níquel (µg/L Ni) | 20 | --- | --- | --- | --- | --- | --- | --- |
| Selénio (µg/L Se) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cloretos (mg/L Cl) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Sódio (mg/L Na) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Sulfatos (mg/L $SO_4$) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Carbono Orgânico Total (mg/L C) | Sem alteração anormal | --- | --- | --- | --- | --- | --- | --- |
| Tetracloroeteno e Tricloroeteno (µg/L) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Tetracloroeteno(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Tricloroeteno(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| 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) | --- | --- | --- | --- | --- | --- | --- | --- |
| Trihalometanos - total (µg/L): | 100 | --- | --- | --- | --- | --- | --- | --- |
| Clorofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromodiclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Dibromoclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Pesticidas – total (µg/L) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Desetil-terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Alacloro (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Bentazona (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Radão (Bq/L) | 500,00 | --- | --- | --- | --- | --- | --- | --- |
| Alpha total (Bq/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Beta total (Bq/L) | 1,00 | --- | --- | --- | --- | --- | --- | --- |
| Dose Indicativa total (mSv/yr) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| | | | | | | | | |

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

**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**

**ALVARO MANUEL BALSEIRO AMARO**

**Data da publicitação: 28/06/2022**

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO: PALMELA DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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) | --- | 0,2 | 0,6 | 0 | 100% | 8 | 8 | 100% |
| *Escherichia coli* (N/100 ml) | 0 | 0 | 5 | 1 | 88% | 8 | 8 | 100% |
| Bactérias coliformes (N/100 ml) | 0 | 0 | 15 | 1 | 88% | 8 | 8 | 100% |
| Enterococos (N/100 mL) | 0 | 0 | 0 | 0 | 100% | 4 | 4 | 100% |
| *Clostridium perfringens* (N/100ml) | 0 | --- | --- | --- | --- | --- | --- | --- |
| Número de colónias a 22 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 4 | 4 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 4 | 4 | 100% |
| pH (Unidades pH) | ≥6,5 e ≤9 | 6,3 | 7,0 | 1 | 75% | 4 | 4 | 100% |
| Condutividade (µS/cm a 20ºC) | 2500 | 333 | 369 | 0 | 100% | 4 | 4 | 100% |
| Cor (mg/L PtCo) | 20 | <5 | <5 | 0 | 100% | 4 | 4 | 100% |
| Turvação (NTU) | 4 | <0,7 | <0,7 | 1 | 75% | 4 | 4 | 100% |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 4 | 4 | 100% |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 4 | 4 | 100% |
| Antimónio (µg/L Sb) | 5 | --- | --- | --- | --- | --- | --- | --- |
| Arsénio (µg/L As) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Nitratos[2] (mg/L $NO_3$) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Nitritos (mg/L $NO_2$) | 0,5 | --- | --- | --- | --- | --- | --- | --- |
| Boro (mg/L B) | 1,0 | --- | --- | --- | --- | --- | --- | --- |
| Cianetos (µg/L CN) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Crómio (µg/L Cr) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Oxidabilidade (mg/L $O_2$) | 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 $BrO_3$) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Sulfatos (mg/L $SO_4$) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Dureza total (mg/L CaCO3) | --- | --- | --- | --- | --- | --- | --- | --- |
| Selénio (µg/L Se) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Pesticidas | | | | | | | | |
| 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 (µq/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Pesticidas – total (µg/L) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Desetil-simazina (µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Simazina (µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| COV | | --- | --- | --- | --- | --- | --- | --- |
| 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) | --- | --- | --- | --- | --- | --- | --- | --- |
| HAP | | --- | --- | --- | --- | --- | --- | --- |
| 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 | --- | --- | --- | --- | --- | --- | --- |
| Radiológicos | | | | | | | | |
| 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 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 publicitação: 28/06/2022

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO: PINHAL NOVO DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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) | --- | 0,2 | 0,6 | 0 | 100% | 15 | 15 | 100% |
| *Escherichia coli* (N/100 ml) | 0 | 0 | 0 | 0 | 100% | 15 | 15 | 100% |
| Bactérias coliformes (N/100 ml) | 0 | 0 | 0 | 0 | 100% | 15 | 15 | 100% |
| Enterococos (N/100 mL) | 0 | 0 | 0 | 0 | 100% | 5 | 5 | 100% |
| *Clostridium perfringens* (N/100ml) | 0 | 0 | 0 | 0 | 100% | 1 | 1 | 100% |
| Número de colónias a 22 ºC (N/ml) | Sem alteração anormal | N/D | 35 | 0 | 100% | 5 | 5 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | N/D | 30 | 0 | 100% | 5 | 5 | 100% |
| pH (Unidades pH) | ≥6,5 e ≤9 | 6,9 | 7,7 | 0 | 100% | 5 | 5 | 100% |
| Nitratos[2] (mg/L $NO_3$) | 50 | 7,84 | 7,84 | 0 | 100% | 1 | 1 | 100% |
| Nitritos (mg/L $NO_2$) | 0,5 | <0,02 | <0,02 | 0 | 100% | 1 | 1 | 100% |
| Condutividade (µS/cm a 20ºC) | 2500 | 385 | 479 | 0 | 100% | 5 | 5 | 100% |
| Turvação (NTU) | 4 | <0,7 | 0,8 | 0 | 100% | 5 | 5 | 100% |
| Cloretos (mg/L Cl) | 250 | 64 | 64 | 0 | 100% | 1 | 1 | 100% |
| Fluoretos (mg/L F) | 1,5 | <0,40 | <0,40 | 0 | 100% | 1 | 1 | 100% |
| Sulfatos (mg/L $SO_4$) | 250 | 13,4 | 13,4 | 0 | 100% | 1 | 1 | 100% |
| Cálcio (mg/L Ca) | --- | 28,4 | 28,4 | 0 | 100% | 1 | 1 | 100% |
| Cianetos (µg/L CN) | 50 | <10 | <10 | 0 | 100% | 1 | 1 | 100% |
| Mercúrio (µg/L Hg) | 1 | <0,02 | <0,02 | 0 | 100% | 1 | 1 | 100% |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | <0,05 | <0,05 | 0 | 100% | 1 | 1 | 100% |
| Alumínio (µg/L Al) | 200 | <50 | <50 | 0 | 100% | 1 | 1 | 100% |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Crómio (µg/L Cr) | 50 | <10 | <10 | 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% |
| Cor (mg/L PtCo) | 20 | <5 | <5 | 0 | 100% | 5 | 5 | 100% |
| Níquel (µg/L Ni) | 20 | <5 | <5 | 0 | 100% | 1 | 1 | 100% |
| Ferro (µg/L Fe) | 200 | 85 | 85 | 0 | 100% | 1 | 1 | 100% |
| Manganês (µg/L Mn) | 50 | 12,5 | 12,5 | 0 | 100% | 1 | 1 | 100% |
| Dureza total (mg/L CaCO3) | --- | 110 | 110 | 0 | 100% | 1 | 1 | 100% |
| Oxidabilidade (mg/L $O_2$) | 5 | <0,5 | <0,5 | 0 | 100% | 1 | 1 | 100% |
| Cádmio (µg/L Cd) | 5,0 | <0,4 | <0,4 | 0 | 100% | 1 | 1 | 100% |
| Bromatos (µg/L $BrO_3$) | 10 | <5 | <5 | 0 | 100% | 1 | 1 | 100% |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 5 | 5 | 100% |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 5 | 5 | 100% |
| Magnésio (mg/L Mg) | --- | 9,6 | 9,6 | 0 | 100% | 1 | 1 | 100% |
| Sódio (mg/L Na) | 200 | 65,7 | 65,7 | 0 | 100% | 1 | 1 | 100% |
| Boro (mg/L B) | 1,0 | <0,2 | <0,2 | 0 | 100% | 1 | 1 | 100% |
| Cobre (mg/L Cu) | 2,0 | <0,010 | <0,010 | 0 | 100% | 1 | 1 | 100% |
| Selénio (µg/L Se) | 10 | <2 | <2 | 0 | 100% | 1 | 1 | 100% |
| Chumbo (µg/L Pb) | 10 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| COV | | | | | | | | |
| 1,2 – dicloroetano (µg/L) | 3,0 | <0,750 | <0,750 | 0 | 100% | 1 | 1 | 100% |
| Clorofórmio(µg/L) | --- | 1,21 | 1,21 | 0 | 100% | 1 | 1 | 100% |
| Bromodiclorometano(µg/L) | --- | <0,10 | <0,10 | 0 | 100% | 1 | 1 | 100% |
| Dibromoclorometano(µg/L) | --- | <0,10 | <0,10 | 0 | 100% | 1 | 1 | 100% |
| Bromofórmio(µg/L) | --- | <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 | 1,21 | 1,21 | 0 | 100% | 1 | 1 | 100% |
| Tetracloroeteno(µg/L) | --- | <0,20 | <0,20 | 0 | 100% | 1 | 1 | 100% |
| Tetracloroeteno e Tricloroeteno (µg/L) | 10 | <0,20 | <0,20 | 0 | 100% | 1 | 1 | 100% |
| HPA | 0,100 | <0,020 | <0,020 | 0 | 100% | 1 | 1 | 100% |
| Benzeno (µg/L) | 1,0 | <0,20 | <0,20 | 0 | 100% | 1 | 1 | 100% |
| 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 | <0,0050 | <0,0050 | 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% |
| Pesticidas | | | | | | | | |
| Bentazona (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% |
| Metalaxil(µg/L) | | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| Alacloro (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% |
| Desetil-terbutilazina (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% |
| Imidaclopride (µg/L) | - | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| Simazina (µg/L) | - | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| Desetilsimazina (µg/L) | - | <0,03 | <0,03 | 0 | 100% | 1 | 1 | 100% |
| Radiológicos | | | | | | | | |
| Radão (Bq/L) | 500 | <10 | <10 | 0 | 100% | 1 | 1 | 100% |
| Dose Indicativa total (mSv/yr) | 0,1 | <0,1 | <0,1 | 0 | 100% | 1 | 1 | 100% |
| Alpha total (Bq/L) | 0,1 | <0,04 | <0,04 | 0 | 100% | 1 | 1 | 100% |

**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**

**O Presidente da Câmara**

**ÁLVARO MANUEL BALSEIRO AMARO**

**Data da publicitação: 28/06/2022**

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO: QUINTA DO ANJO / CABANAS DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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 | |
| *Escherichia coli* (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) | --- | 0,2 | 0,5 | 0 | 100% | 8 | 8 | 100% |
| Enterococos (N/100 mL) | 0 | 0 | 0 | 0 | 100% | 4 | 4 | 100% |
| *Clostridium perfringens* (N/100ml) | 0 | --- | --- | --- | --- | --- | --- | --- |
| Número de colónias a 22 ºC (N/ml) | Sem alteração anormal | N/D | N/D | 0 | 100% | 4 | 4 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | N/D | N/D | 0 | 100% | 4 | 4 | 100% |
| pH (Unidades pH) | ≥6,5 e ≤9 | 6,2 | 6,9 | 3 | 25% | 4 | 4 | 100% |
| Condutividade (µS/cm a 20ºC) | 2500 | 113,3 | 330 | 0 | 100% | 4 | 4 | 100% |
| Cor (mg/L PtCo) | 20 | <5 | <5 | 0 | 100% | 4 | 4 | 100% |
| Turvação (NTU) | 4 | <0,7 | <0,7 | 0 | 100% | 4 | 4 | 100% |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 4 | 4 | 100% |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 4 | 4 | 100% |
| Antimónio (µg/L Sb) | 5 | --- | --- | --- | --- | --- | --- | --- |
| Arsénio (µg/L As) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Nitratos[2] (mg/L $NO_3$) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Nitritos (mg/L $NO_2$) | 0,5 | --- | --- | --- | --- | --- | --- | --- |
| Boro (mg/L B) | 1,0 | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Cianetos (µg/L CN) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Crómio (µg/L Cr) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Oxidabilidade (mg/L $O_2$) | 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 $BrO_3$) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Sulfatos (mg/L $SO_4$) | 250 | --- | --- | --- | --- | --- | --- | --- |
| Dureza total (mg/L CaCO3) | --- | --- | --- | --- | --- | --- | --- | --- |
| Selénio (µg/L Se) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Pesticidas | | --- | --- | --- | --- | --- | --- | --- |
| 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 (µq/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Terbutilazina (µg/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Pesticidas – total (µg/L) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Desetil-simazina (µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Simazina (µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| COV | | --- | --- | --- | --- | --- | --- | --- |
| 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) | --- | --- | --- | --- | --- | --- | --- | --- |
| HAP | | --- | --- | --- | --- | --- | --- | --- |
| 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) | --- | --- | --- | --- | --- | --- | --- | --- |
| arbonetos Aromáticos Policíclicos (µg/L): | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Radiológicos | | | | | | | | |
| Alpha total (Bq/L) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Dose Indicativa total (mSv/yr) | 0,10 | --- | --- | --- | --- | --- | --- | --- |
| Radão (Bq/L) | 500,00 | --- | --- | --- | --- | --- | --- | --- |
| | | | | | | | | |

**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 publicitação: 28/06/2022**

| CÂMARA MUNICIPAL DE PALMELA | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO: VILA AMÉLIA DO CONCELHO DE PALMELA | 1º TRIMESTRE 2022 |
|---|---|---|
| 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 Janeiro a 31 de Março |

| 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 | |
| *Escherichia coli* (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 | 0,4 | 0 | 100% | 2 | 2 | 100% |
| Alumínio (µg/L Al) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Azoto Amoniacal (mg/L $NH_4$) | 0,50 | --- | --- | --- | --- | --- | --- | --- |
| Número de colónias a 22 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 1 | 1 | 100% |
| Número de colónias a 37 ºC (N/ml) | Sem alteração anormal | ND | ND | 0 | 100% | 1 | 1 | 100% |
| Condutividade (µS/cm a 20ºC) | 2500 | 290 | 290 | 0 | 100% | 1 | 1 | 100% |
| *Clostridium perfringens* (N/100ml) | 0 | --- | --- | --- | --- | --- | --- | --- |
| Cor (mg/L PtCo) | 20 | <5 | <5 | 0 | 100% | 1 | 1 | 100% |
| | ≥6,5 e ≤9 | 7,1 | 7,1 | 0 | 100% | 1 | 1 | 100% |
| Ferro (µg/L Fe) | 200 | --- | --- | --- | --- | --- | --- | --- |
| Manganês (µg/L Mn) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Nitritos (mg/L $NO_2$) | 0,5 | --- | --- | --- | --- | --- | --- | --- |
| Oxidabilidade (mg/L $O_2$) | 5 | --- | --- | --- | --- | --- | --- | --- |
| Cheiro a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Sabor a 25ºC (Factor de diluição) | 3 | <3 | <3 | 0 | 100% | 1 | 1 | 100% |
| Turvação (NTU) | 4 | <0,7 | <0,7 | 0 | 100% | 1 | 1 | 100% |
| Benzo(a)pireno (µg/L) | 0,010 | --- | --- | --- | --- | --- | --- | --- |
| Cálcio (mg/L Ca) | --- | --- | --- | --- | --- | --- | --- | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Chumbo (µg/L Pb) | 10 | --- | --- | --- | --- | --- | --- | --- |
| Cobre (mg/L Cu) | 2,0 | --- | --- | --- | --- | --- | --- | --- |
| Crómio (µg/L Cr) | 50 | --- | --- | --- | --- | --- | --- | --- |
| Dureza total (mg/L CaCO3) | --- | --- | --- | --- | --- | --- | --- | --- |
| Enterococos (N/100 mL) | 0 | 0 | 0 | 0 | 100% | 1 | 1 | 100% |
| Magnésio (mg/L Mg) | --- | --- | --- | --- | --- | --- | --- | --- |
| Níquel (µg/L Ni) | 20 | --- | --- | --- | --- | --- | --- | --- |
| 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) | --- | --- | --- | --- | --- | --- | --- | --- |
| Trihalometanos - total (µg/L): | 100 | --- | --- | --- | --- | --- | --- | --- |
| Clorofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromofórmio(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromodiclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Dibromoclorometano(µg/L) | --- | --- | --- | --- | --- | --- | --- | --- |
| Radão (Bq/L) | 500 | --- | --- | --- | --- | --- | --- | --- |
| | | | | | | | | |

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 publicitação: 28/06/2022