

## EDITAL N.º 28


José Alberto Pacheco Brito Dias, Presidente da Câmara Municipal de Pampilhosa da Serra

FAZ PÚBLICO QUE, em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei n.º 152/2017, de 7 de dezembro, o 4.º **RELATÓRIO TRIMESTRAL** de 2018 está de acordo com o **Programa de Controlo da Qualidade da Água para Consumo Humano (PCQA)** nas zonas de abastecimento do Concelho de Pampilhosa da Serra aprovado pela autoridade competente (ERSAR).

Por ser verdade e para os devidos efeitos publica-se o presente Edital com o Relatório Trimestral, através da afixação no átrio dos Paços do Município, bem como no sítio da Internet deste Município ([www.cm-pampilhosadaserra.pt](http://www.cm-pampilhosadaserra.pt)).

Pampilhosa da Serra, 04 de fevereiro de 2018

O Presidente da Câmara



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(José Alberto Pacheco Brito Dias)



Resumo dos parâmetros pesquisados na zona de abastecimento: Adurão							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	1,1	1,1	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0,50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium parfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤8,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>2</sub> /L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turbidez (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercúrio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cianeto (mg CN/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	0	0	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Aradas							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl2/L)	—	0.07	0.07	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amonia (mg NH4/L)	0.50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥8,5 e ≤8,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO3/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO2/L)	0.50	—	—	—	—	0	0	—
Oxidez (mg O2/L)	5,0	—	—	—	—	0	0	—
Chloro a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turbidez (UNT)	4	—	—	—	—	0	0	—
Antimônio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Berzénio (µg/L)	1,0	—	—	—	—	0	0	—
Berzénio(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	60	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Clorato (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(a)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(a)hifenileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/dia)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Boiças							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfectante residual (mg Cl2/L)	---	0,25	0,25	---	---	1	1	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 38°C (N/ml a 38°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	≥6,5 e ≤8,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidebilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloreto e Tricloreto (µg/L)	10	---	---	---	---	---	---	---
Tricloreto (µg/L)	---	---	---	---	---	0	0	---
Tricloreto (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mg/diário)	0,10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---
Beta-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Braçal							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
<i>Escherichia Coli</i> (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	0.18	0.22	—	—	2	2	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0,50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
<i>Clostridium perfringens</i> (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤8,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>2</sub> /L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turbidez (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzina (µg/L)	1,0	—	—	—	—	0	0	—
Benz(a)pireno (µg/L)	0.010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Merúrio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloro (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verticção)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verticção)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação  
 N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Brejo de Baixo							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfeciente residual (mg Cl <sub>2</sub> /L)	---	0.07	0.22	---	---	2	2	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg N-NH <sub>4</sub> /L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	26,5 e 39,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO <sub>3</sub> /L)	50	---	---	---	---	0	0	---
Nitrato (mg NO <sub>2</sub> /L)	0,50	---	---	---	---	0	0	---
Oxidebilidade (mg O <sub>2</sub> /L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turbacção (UNT)	4	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO <sub>3</sub> /L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO <sub>3</sub> /L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Clorato (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO <sub>4</sub> /L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloreto e Tricloreto (µg/L)	10	---	---	---	---	---	---	---
Tetracloreto (µg/L)	---	---	---	---	---	0	0	---
Tricloreto (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---
Beta-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Brejo de Cima							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	---	0.16	0.22	---	---	2	2	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH <sub>4</sub> /L)	0.50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2600	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	≥6,5 e ≤9,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganês (µg Mn/L)	60	---	---	---	---	0	0	---
Nitrato (mg NO <sub>3</sub> /L)	60	---	---	---	---	0	0	---
Nitrato (mg NO <sub>2</sub> /L)	0.50	---	---	---	---	0	0	---
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turbidez (UNT)	4	---	---	---	---	0	0	---
Antimônio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzocapreno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO <sub>3</sub> /L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	60	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	80	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO <sub>3</sub> /L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO <sub>4</sub> /L)	260	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloreto e Tricloreto (µg/L)	10	---	---	---	---	---	---	---
Tetracloreto (µg/L)	---	---	---	---	---	0	0	---
Tricloreto (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzofluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzofluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzofluoranteno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trifenilmetanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodichlorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromodichlorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---
Beta-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,60	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Camba							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfectante residual (mg Cl2/L)	—	<0.05	<0.05	—	—	1	1	100%
Alumínio (µg AL/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0,50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 38°C (N/ml a 38°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium parfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤8,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO3/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO2/L)	0,80	—	—	—	—	0	0	—
Oxidabilidade (mg O2/L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turvação (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromoclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Carregal							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl2/L)	---	0.61	0.61	---	---	1	1	100%
Alumínio (µg Al/L)	300	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0.50	---	---	---	---	0	0	---
N.ºColónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.ºColónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	26,5 a 29,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganês (µg Mn/L)	60	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	80	---	---	---	---	0	0	---
Nitrato (mg NO2/L)	0,60	---	---	---	---	0	0	---
Oxalabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benz(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	60	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	60	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	260	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	260	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloreto e Tricloreto (µg/L)	10	---	---	---	---	---	---	---
Tetracloreto (µg/L)	---	---	---	---	---	0	0	---
Tricloreto (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzofluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(a)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---
Beta-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Rádão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Carvalho	4.º TRIMESTRE 2018 01 outubro a 31 dezembro
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Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	7	1	50%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	7	1	50%	2	2	100%
Desinfectante residual (mg Cl2/L)	—	<0.05	0.09	—	—	2	2	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0,50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 38°C (N/ml a 38°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤8,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO3/L)	50	—	—	—	—	0	0	—
Nítrito (mg NO2/L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O2/L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turbidez (UNT)	4	—	—	—	—	0	0	—
Antimônio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Brometo (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Merúrio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Clorato (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodichlorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodichlorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (límit verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (límit verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—
ZA PE	Data Coleta	Parâmetro	Causas Incumprimento	Análises Verificação (A.V.)	Medida tomadas ou a Implementar			
Carvalho	22-10-2018	E. coli	# Dosagem inadequada de reagente	10-12-2018	# Correção da dosagem de reagente no tratamento			
Carvalho	22-10-2018	Bactérias coliformes		10-12-2018				

# Informação presente no portal da Entidade Reguladora\_ERSAR

## Notas:

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Castanheira da Serra							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl2/L)	—	0,06	0,06	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0,50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥8,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO3/L)	50	—	—	—	—	0	0	—
Nitrito (mg NO2/L)	0,50	—	—	—	—	0	0	—
Oxidebilidade (mg O2/L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turbidez (UNT)	4	—	—	—	—	0	0	—
Antimônio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromo (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloro (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodichlorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodichlorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Cavaleiros de Baixo							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl2/L)	---	0.41	0.41	---	---	1	1	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium parfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	≥6,5 e ≤8,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nítrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidebilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Chloro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Clorato (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0.10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)perileno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromoclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa mSv/ano	0,10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---
Beta-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D., Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Ceiroco							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	0.06	0.06	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0.50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 38°C (N/ml a 38°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	26,5 e 29,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	80	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>2</sub> /L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Cheiro a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turbidez (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benz(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	80	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	80	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSwano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (límite verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (límite verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Ceiroquinho I							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl2/L)	—	0.29	0.29	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0,50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥8,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO3/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO2/L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O2/L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turbidez (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Calcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	6,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D. Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Ceiroquinho II

4.º TRIMESTRE 2018  
01 outubro a 31 dezembro

Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
<i>Escherichia Coli</i> (N/100ml)	0	6	6	1	0%	1	1	100%
Bactérias Coliformes (N/100ml)	0	25	25	1	0%	1	1	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	0.14	0.14	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0,80	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
<i>Clostridium perfringens</i> (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤8,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>2</sub> /L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Cheiro a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turbidez (UNT)	4	—	—	—	—	0	0	—
Antimônio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Merúrio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzofluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzofluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzofluoranteno (µg/L)	—	—	—	—	—	0	0	—
Indeno 1,2,3-c(1)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	600	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—
ZA PE	Data Coleta	Parâmetro	Causas Insucesso	Análises Verificação (A.V.)	Medidas tomadas no x insucesso			
Cetquinho II	12-11-2018	E. coli	# Dosagem inadequada de reagente	10-12-2018	# Correção da dosagem de reagente no tratamento			
Cetquinho II	12-11-2018	Bactérias coliformes		10-12-2018				

\* Informação presente no portal da Entidade Reguladora\_ERSAR

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Coelhal							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
<i>Escherichia Coli</i> (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	0.07	0.11	—	—	2	2	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0.50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
<i>Clostridium perfringens</i> (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>2</sub> /L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turbidez (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(a)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	800	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D. Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Covanca

4.º TRIMESTRE 2018  
01 outubro a 31 dezembro

Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	1	1	1	0%	1	1	100%
Bactérias Coliformes (N/100ml)	0	8	8	1	0%	1	1	100%
Desinfetante residual (mg Cl2/L)	---	<0.05	<0.05	---	---	1	1	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg N-H4/L)	0.50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Soransen)	≥6,5 e ≤9,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO2/L)	0.50	---	---	---	---	0	0	---
Oxalabilidade (mg O2/L)	5.0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5.0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1.0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0.010	---	---	---	---	0	0	---
Boro (mg B/L)	1.0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5.0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2.0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3.0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1.5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Merúrio (µg Hg/L)	1.0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0.12	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0.10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0.10 (lível verificação)	---	---	---	---	0	0	---
Beta-total (Bq/L)	1.0 (lível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0.50	---	---	---	---	0	0	---
ZA PE	Data: 12-11-2018	Parâmetro:	Causas Incumprimento		Análises Verificadas (A.V.)	Medidas tomadas ou a implementar		
Covance	12-11-2018	E. coli	# Dosagem inadequada de reagente		10-12-2018	# Correção da dosagem de reagente no tratamento		
Covance	12-11-2018	Bactérias coliformes			10-12-2018			

# Informação presente no portal da Entidade Reguladora, ERSAR

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Covões							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	---	<0.05	<0.05	---	---	2	2	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH <sub>4</sub> /L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 38°C (N/ml a 38°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	≥6,5 e ≤8,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO <sub>3</sub> /L)	50	---	---	---	---	0	0	---
Nitrato (mg NO <sub>2</sub> /L)	0,50	---	---	---	---	0	0	---
Oxidebilidade (mg O <sub>2</sub> /L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO <sub>3</sub> /L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO <sub>3</sub> /L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cianeto (mg C/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO <sub>4</sub> /L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloreto e Tricloreto (µg/L)	10	---	---	---	---	---	---	---
Tetracloreto (µg/L)	---	---	---	---	---	0	0	---
Tricloreto (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodichlorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromochlorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa mSv/ano	0,10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---
Beta-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Dornelas do Zêzere							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfectante residual (mg Cl2/L)	—	0,68	0,68	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0,60	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2800	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤8,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	60	—	—	—	—	0	0	—
Nitrato (mg NO3/L)	60	—	—	—	—	0	0	—
Nitrato (mg NO2/L)	0,60	—	—	—	—	0	0	—
Oxidabilidade (mg O2/L)	6,0	—	—	—	—	0	0	—
Chato, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turbidez (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	6,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benz(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	60	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	60	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Clorato (mg Cl/L)	260	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO4/L)	260	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(g,h,i)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,60	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Esteiro							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 162/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfectante residual (mg Cl2/L)	—	0.20	0.20	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0,60	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO3/L)	50	—	—	—	—	0	0	—
Nítrito (mg NO2/L)	0,60	—	—	—	—	0	0	—
Oxidebilidade (mg O2/L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turvação (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benz(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococcus fecalis (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa mSv/ano	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível vestigial)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível vestigial)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Fajão							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	0.21	0.21	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0.50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥8,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>2</sub> /L)	0.50	—	—	—	—	0	0	—
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turbidez (UNT)	4	—	—	—	—	0	0	—
Antimônio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Clorato (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (não verificado)	—	—	—	—	0	0	—
Beta-total (Bq/L)	1,0 (não verificado)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D. Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Folgares							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg Cl2/L)	—	<0.05	0.11	—	—	2	2	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0,50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO3/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO2/L)	0,50	—	—	—	—	0	0	—
Oxalibilidade (mg O2/L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turbidez (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Merúrio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg S/34/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Foz do Ribeiro							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl2/L)	—	<0.05	<0.05	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0,50	—	—	—	—	0	0	—
N.ºColónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.ºColónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO3/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO2/L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O2/L)	5,0	—	—	—	—	0	0	—
Cheiro, a 26°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 26°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turvação (UNT)	4	—	—	—	—	0	0	—
Antimônio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benz(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	80	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	80	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercúrio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Clorato (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfeto (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	≤ 10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(g,h,i)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromoclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verticável)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verticável)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Gavião de Cima							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	<0.05	<0.05	—	—	2	2	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0.50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥8,5 e ≤8,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitrito (mg NO <sub>2</sub> /L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Chetno, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turbacão (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Clorato (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromoclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D. Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Gralhas

4.º TRIMESTRE 2018  
01 outubro a 31 dezembro

Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
<i>Escherichia Coll</i> (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	2	2	1	0%	1	1	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	<0.05	<0.05	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0.50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
<i>Clostridium perfringens</i> (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥8,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>2</sub> /L)	0,50	—	—	—	—	0	0	—
Oxidebilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turvação (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzopireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Brometo (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
<i>Enterococos fecais</i> (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Merúrio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Clorato (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzokilfluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0.10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0.10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0.50	—	—	—	—	0	0	—
ZA PE	Data: Correção	Parâmetro	Causas Incumprimento		Análises Verificação (A.V.)	Medidas tomadas ou a implementar		
Grúas	12-11-2018	Bactérias coliformes	# Dosagem inadequada de reagente		10-12-2018	# Correção da dosagem de reagente no tratamento		

# Informação presente no portal da Entidade Reguladora\_ERSAR

**Notas:**

L.Q. - Limite de Quantificação

N.D. Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Lobatos							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfeciente residual (mg Cl2/L)	---	0,12	0,61	---	---	2	2	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm a 25 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	≥6,5 e ≤8,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Cheiro, a 28°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turbidez (UNT)	4	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodichlorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromodichlorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0,10 (ível verificação)	---	---	---	---	0	0	---
Beta-Total (Bq/L)	1,0 (ível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Malhada do Rei							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
<i>Escherichia Coli</i> (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	0,21	0,21	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0,50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2800	—	—	—	—	0	0	—
<i>Clostridium perfringens</i> (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>2</sub> /L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Choro. a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turvação (UNT)	4	—	—	—	—	0	0	—
Antimônio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromo (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/dia)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Malhadas da Serra							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfectante residual (mg Cl2/L)	---	0,17	0,45	---	---	2	2	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C /Nml a 22°C	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C /Nml a 36°C	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	≥6,5 e ≤9,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimônio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Brometo (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	1,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Clorato (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodichlorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromodichlorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---
Beta-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Mata							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl2/L)	—	<0,05	<0,05	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amônio (mg NH4/L)	0,50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 38°C (N/ml a 38°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2800	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO3/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO2/L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O2/L)	5,0	—	—	—	—	0	0	—
Cheiro a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turvação (UNT)	4	—	—	—	—	0	0	—
Antimônio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benz(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Brometo (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crômio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selênio (µg Se/L)	10	—	—	—	—	0	0	—
Clorato (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometano Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Ata-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
β-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Maxial							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 162/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	0.69	0.69	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0,50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤8,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nítrito (mg NO <sub>2</sub> /L)	0,50	—	—	—	—	0	0	—
Oxidebilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turvação (UNT)	4	—	—	—	—	0	0	—
Antimônio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	26	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Merúrio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa mSv/ano	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Meãs							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl2/L)	—	0.05	0.05	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0,50	—	—	—	—	0	0	—
N.ºColónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.ºColónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2800	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	60	—	—	—	—	0	0	—
Nitrato (mg NO3/L)	50	—	—	—	—	0	0	—
Nitrto (mg NO2/L)	0,50	—	—	—	—	0	0	—
Oxalabilidade (mg O2/L)	5,0	—	—	—	—	0	0	—
Chato, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turbidez (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzolapireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	60	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	80	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Merúrio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Clorato (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzofluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzodifluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzofluoranteno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mg/Litro)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
B-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Rádão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,60	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Moninho / Sobral de Cima							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 162/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfectante residual (mg Cl <sub>2</sub> /L)	—	0,21	0,37	—	—	2	2	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0,50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>2</sub> /L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turvação (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Brometo (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(a)hifenileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível variação)	—	—	—	—	0	0	—
Beta-total (Bq/L)	1,0 (Nível variação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D. Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Moradias

4.º TRIMESTRE 2018  
01 outubro a 31 dezembro

Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	3	0	100%	2	2	100%
Desinfetante residual (mg Cl2/L)	—	<0.05	0.08	—	—	2	2	100%
Alumínio (µg A/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0.50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E, Sorensen)	≥6,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO3/L)	50	—	—	—	—	0	0	—
Nítrito (mg NO2/L)	0,50	—	—	—	—	0	0	—
Oxalabilidade (mg O2/L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turvação (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0.010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Merúrio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfeto (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromoclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/dia)	0,10	—	—	—	—	0	0	—
Afa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
β-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—
SAPE	Data: Corrida	Parâmetros	Causas Incumprimento	Análises Verificação (B.V.)	Medidas tomadas ou a implementar			
Moradia	14-12-2018	Bactérias coliformes	# Dosagem inadequada de reagente	Agendar A.V.	# Correção da dosagem de reagente no tratamento			

# Informação presente no portal da Entidade Reguladora\_ERSAR

## Notas:

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Padrões							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfectante residual (mg Cl <sub>2</sub> /L)	—	<0.05	0.14	—	—	2	2	100%
Alumínio (µg Al/L)	200	96	96	0	100%	1	1	100%
Amónio (mg NH <sub>4</sub> /L)	0.50	<0.050	<0.050	0	100%	1	1	100%
N.º Colónias 22°C (N/ml a 22°C)	s/ alter. anormal	3	3	—	—	1	1	100%
N.º Colónias 36°C (N/ml a 36°C)	s/ alter. anormal	8	8	—	—	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	121	121	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	2	2	1	0%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	≥ 6.5 e ≤ 8.5	8.0	8.0	0	100%	1	1	100%
Ferro (µg Fe/L)	200	<10	<10	0	100%	1	1	100%
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO <sub>3</sub> /L)	50	<1.0	<1.0	0	100%	1	1	100%
Nitrito (mg NO <sub>2</sub> /L)	0.50	<0.020	<0.020	0	100%	1	1	100%
Oxidabilidade (mg O <sub>2</sub> /L)	5.0	<2.0	<2.0	0	100%	1	1	100%
Cheiro, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turvação (UNT)	4	<0.3	<0.3	0	100%	1	1	100%
Antimónio (µg Sb/L)	5.0	<2	<2	0	100%	1	1	100%
Arsénio (µg As/L)	10	<1	<1	0	100%	1	1	100%
Benzeno (µg/L)	1.0	<0.5	<0.5	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0.010	<0.002	<0.002	0	100%	1	1	100%
Boro (mg B/L)	1.0	<0.10	<0.10	0	100%	1	1	100%
Bromato (µg BrO <sub>3</sub> /L)	10	<5	<5	0	100%	1	1	100%
Cádmio (µg Cd/L)	5.0	<1.0	<1.0	0	100%	1	1	100%
Cálcio (mg Ca/L)	—	23	23	—	—	1	1	100%
Chumbo (µg Pb/L)	10	<3	<3	0	100%	1	1	100%
Cianeto (µg CN/L)	50	<10	<10	0	100%	1	1	100%
Cobre (mg Cu/L)	2.0	0.027	0.027	0	100%	1	1	100%
Crómio (µg Cr/L)	50	<5	<5	0	100%	1	1	100%
1,2-Dicloroetano (µg/L)	3.0	<0.5	<0.5	0	100%	1	1	100%
Dureza Total (mg CaCO <sub>3</sub> /L)	—	63	63	—	—	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	0	100%	1	1	100%
Fluoreto (mg F/L)	1.5	<0.050	<0.050	0	100%	1	1	100%
Magnésio (mg Mg/L)	—	0.996	0.996	—	—	1	1	100%
Mercurio (µg Hg/L)	1.0	<0.30	<0.30	0	100%	1	1	100%
Níquel (µg Ni/L)	20	<5	<5	0	100%	1	1	100%
Selénio (µg Se/L)	10	<0.5	<0.5	0	100%	1	1	100%
Cloreto (mg Cl/L)	250	10	10	0	100%	1	1	100%
Sódio (mg Na/L)	200	3.7	3.7	0	100%	1	1	100%
Sulfato (mg SO <sub>4</sub> /L)	250	<5.0	<5.0	0	100%	1	1	100%
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	<3 (Maior LQ)	<3 (Maior LQ)	0	100%	1	1	100%
Tetracloroetano (µg/L)	—	<3	<3	—	—	1	1	100%
Tricloroetano (µg/L)	—	<0.5	<0.5	—	—	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0.10	<0.005 (Maior LQ)	<0.005 (Maior LQ)	0	100%	1	1	—
Benzo(b)fluoranteno (µg/L)	—	<0.005	<0.005	—	—	1	1	100%
Benzo(k)fluoranteno (µg/L)	—	<0.002	<0.002	—	—	1	1	100%
Benzo(ghi)perileno (µg/L)	—	<0.004	<0.004	—	—	1	1	100%
Indeno(1,2,3-cd)pireno (µg/L)	—	<0.004	<0.004	—	—	1	1	100%
Trihalometanos Totais (µg/L)	100	22	22	0	100%	1	1	—
Clorofórmio (µg/L)	—	17	17	—	—	1	1	100%
Bromofórmio (µg/L)	—	<3	<3	—	—	1	1	100%
Bromodichlorometano (µg/L)	—	8	8	—	—	1	1	100%
Dibromodichlorometano (µg/L)	—	<3	<3	—	—	1	1	100%
Dose Indicativa (mSv/ano)	0.10	<0.10	<0.10	0	100%	1	1	100%
Alfa-total (Bq/L)	0.10 (Nível de verificação)	<0.04	<0.04	0	—	1	1	—
Beta-Total (Bq/L)	1.0 (Nível de verificação)	<0.10	<0.10	0	—	1	1	—
Radão (Bq/L)	500	<10.0	<10.0	0	100%	1	1	100%
Pesticidas Totais (µg/L)	0.50	—	—	—	—	0	0	—
ZA PE	Data Coleta	Parâmetro	Causas Incumprimento	Análises Verificação (V.V.)	Medida tomada ao se implementar			
Padrões	08-10-2018	Clostridium perfringens	# Dosagem inadequada de reagente	05-12-2018	# Correção da dosagem de reagente no tratamento			

# Informação presente no portal da Entidade Reguladora\_ERSAR

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Pescaneco Cimeiro							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfectante residual (mg Cl2/L)	—	<0.05	0.06	—	—	2	2	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0.50	<0.050	<0.050	0	100%	1	1	100%
N.º Colónias 22°C (N/ml a 22°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
N.º Colónias 36°C (N/ml a 36°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
Condutividade (µS/cm. a 20 °C)	2500	68.3	68.3	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	≥6.5 e ≤9.5	6.8	6.8	0	100%	1	1	100%
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO3/L)	50	1.2	1.2	0	100%	1	1	100%
Nitrito (mg NO2/L)	0.50	—	—	—	—	0	0	—
Oxidabilidade (mg O2/L)	5.0	<2.0	<2.0	0	100%	1	1	100%
Cheiro, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turvação (UNT)	4	0.3	0.3	0	100%	1	1	100%
Antimônio (µg Sb/L)	5.0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1.0	—	—	—	—	0	0	—
Benz(a)pireno (µg/L)	0.010	—	—	—	—	0	0	—
Boro (mg B/L)	1.0	—	—	—	—	0	0	—
Bromato (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5.0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2.0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	60	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3.0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1.5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Merúrio (µg Hg/L)	1.0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0.10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(a)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0.10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0.10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1.0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0.50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Pescaneco Fundeiro							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 162/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg Cl2/L)	—	<0.05	0.05	—	—	2	2	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0.50	<0.050	<0.050	0	100%	1	1	100%
N.ºColónias 22°C (N/ml a 22°C)	s/ alter. anormal	>300	>300	—	—	1	1	100%
N.ºColónias 36°C (N/ml a 36°C)	s/ alter. anormal	>300	>300	—	—	1	1	100%
Condutividade (µS/cm a 20 °C)	2500	59.7	59.7	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	≥6.5 e ≤9.5	6.9	6.9	0	100%	1	1	100%
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	30	30	0	100%	1	1	100%
Nitrato (mg NO3/L)	50	<1.0	<1.0	0	100%	1	1	100%
Nitrito (mg NO2/L)	0.50	—	—	—	—	0	0	—
Oxidabilidade (mg O2/L)	5.0	<2.0	<2.0	0	100%	1	1	100%
Chelro a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turvação (UNT)	4	<0.3	<0.3	0	100%	1	1	100%
Antimônio (µg Sb/L)	5.0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1.0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0.010	—	—	—	—	0	0	—
Boro (mg B/L)	1.0	—	—	—	—	0	0	—
Bromato (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5.0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2.0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3.0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1.5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1.0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0.10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodichlorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodichlorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mS/cm)	0.10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0.10 (lível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1.0 (lível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0.50	—	—	—	—	0	0	—

## Notas:

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Pessegueiro						4.º TRIMESTRE 2018 01 outubro a 31 dezembro		
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg Cl2/L)	—	0.52	1.4	—	—	2	2	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0.50	<0.050	<0.050	0	100%	1	1	100%
N.ºColónias 22°C (N/ml a 22°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
N.ºColónias 36°C (N/ml a 36°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
Condutividade (µS/cm a 20 °C)	2500	66.8	66.8	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	≥6.5 e ≤9.5	8.0	8.0	0	100%	1	1	100%
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO3/L)	50	2.2	2.2	0	100%	1	1	100%
Nitrito (mg NO2/L)	0.50	—	—	—	—	0	0	—
Oxidabilidade (mg O2/L)	5.0	2.5	2.5	0	100%	1	1	100%
Chelro a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turvação (UNT)	4	<0.3	<0.3	0	100%	1	1	100%
Antimônio (µg Sb/L)	5.0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1.0	—	—	—	—	0	0	—
Benz(a)pireno (µg/L)	0.010	—	—	—	—	0	0	—
Boro (mg B/L)	1.0	—	—	—	—	0	0	—
Bromato (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5.0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Clareto (µg CN/L)	60	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2.0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	60	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3.0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1.5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercúrio (µg Hg/L)	1.0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloro (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0.10	—	—	—	—	—	—	—
Benz(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benz(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benz(a)ghiopireno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0.10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0.10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1.0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	600	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0.50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Ponte de Fajão							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl2/L)	---	0,32	0,32	---	---	1	1	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.ºColónias 22°C (N/ml a 22°C)	Sem alterar, anormal	---	---	---	---	0	0	---
N.ºColónias 36°C (N/ml a 36°C)	Sem alterar, anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	≥6,5 e ≤9,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turbidez (UNT)	4	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benz(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alterar, anormal	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---
Ativa-total (Bq/L)	0,10 (valor verificação)	---	---	---	---	0	0	---
β-Total (Bq/L)	1,0 (valor verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Porto da Balsa							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
<i>Escherichia Coli</i> (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	0.08	0.08	—	—	1	1	100%
Alumínio (µg Al/L)	205	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0.50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 38°C (N/ml a 38°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
<i>Clostridium perfringens</i> (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥8,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	80	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>2</sub> /L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turvação (UNT)	4	—	—	—	—	0	0	—
Antimônio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzano (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0.010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Clorato (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (límit verificación)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (límit verificación)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Póvoa							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	1	1	50%	2	2	100%
Desinfectante residual (mg Cl2/L)	—	0,06	0,16	—	—	2	2	100%
Alumínio (µg AL/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0,50	<0,050	<0,050	0	100%	1	1	100%
N.º Colónias 22°C (N/ml a 22°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
N.º Colónias 36°C (N/ml a 36°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
Condutividade (µS/cm a 20 °C)	2500	57,2	57,2	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	≥6,5 e ≤9,5	6,5	6,5	0	100%	1	1	100%
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO3/L)	50	<10	<10	0	100%	1	1	100%
Nitrito (mg NO2/L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O2/L)	5,0	<2,0	<2,0	0	100%	1	1	100%
Cheiro a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turvação (UNT)	4	1,0	1,0	0	100%	1	1	100%
Antimônio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Merúrio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloro (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—
SA PE	Data, Colheita	Parâmetro	Causas Incumprimento	Análises Verificação (A.V.)	Medidas tomadas ou a implementar			
Póvoa	22-10-2018	Bactérias coliformes	# Dosagem inadequada de reagentes	10-12-2018	# Correção da dosagem de reagente no tratamento			

# Informação presente no portal da Entidade Reguladora\_ERSAR

## Notas:

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Póvoa da Raposeira							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
<i>Escherichia Coli</i> (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfectante residual (mg Cl <sub>2</sub> /L)	—	0.71	0.71	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0.50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
<i>Clostridium perfringens</i> (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤8,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>2</sub> /L)	0,50	—	—	—	—	0	0	—
Oxalabilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Chato, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turbidez (UNT)	4	—	—	—	—	0	0	—
Antimônio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Ársénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benz(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Clorato (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benz(a)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benz(a)ghiopireno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mililitro)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Santa Luzia / Pampilhosa da Serra							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 162/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	3	3	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	3	3	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	<0.05	0.51	—	—	3	3	100%
Alumínio (µg Al/L)	200	100	100	0	100%	1	1	100%
Amónio (mg NH <sub>4</sub> /L)	0.50	<0.050	<0.050	0	100%	1	1	100%
N.º Colónias 22°C (N/ml a 22°C)	s/ alter. anormal	110	110	—	—	1	1	100%
N.º Colónias 36°C (N/ml a 36°C)	s/ alter. anormal	9	9	—	—	1	1	100%
Condutividade (µS/cm a 20 °C)	2500	125	125	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	0	0	0	100%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	≥6.5 e ≤9.5	7.8	7.8	0	100%	1	1	100%
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrito (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>2</sub> /L)	0.50	—	—	—	—	0	0	—
Oxidabilidade (mg O <sub>2</sub> /L)	5.0	<2.0	<2.0	0	100%	1	1	100%
Cheiro a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turvação (UNT)	4	<0.3	<0.3	0	100%	1	1	100%
Antimônio (µg Sb/L)	5.0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1.0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0.010	—	—	—	—	0	0	—
Boro (mg B/L)	1.0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5.0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	60	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2.0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	60	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3.0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1.5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1.0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Clorato (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0.10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0.10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0.10 (Nível verticção)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1.0 (Nível verticção)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0.50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Signo Samó							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfectante residual (mg Cl2/L)	—	0.23	0.90	—	—	2	2	100%
Alumínio (µg Al/L)	200	<20	<20	0	100%	1	1	100%
Amónio (mg NH4/L)	0.50	<0.050	<0.050	0	100%	1	1	100%
N.ºColónias 22°C (N/ml a 22°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
N.ºColónias 36°C (N/ml a 36°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
Condutividade (µS/cm. a 20 °C)	2500	159	159	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	0	0	0	100%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	≥ 5 e ≤ 9.5	7.8	7.8	0	100%	1	1	100%
Ferro (µg Fe/L)	200	130	130	0	100%	1	1	100%
Manganês (µg Mn/L)	50	14	14	0	100%	1	1	100%
Nitrato (mg NO3/L)	50	<1.0	<1.0	0	100%	1	1	100%
Nítrito (mg NO2/L)	0.50	<0.020	<0.020	0	100%	1	1	100%
Oxidabilidade (mg O2/L)	5.0	<2.0	<2.0	0	100%	1	1	100%
Cheiro, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turbacão (UNT)	4	0.4	0.4	0	100%	1	1	100%
Antimónio (µg Sb/L)	5.0	<2	<2	0	100%	1	1	100%
Arsénio (µg As/L)	10	<1	<1	0	100%	1	1	100%
Benzeno (µg/L)	1.0	<0.5	<0.5	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0.010	<0.002	<0.002	0	100%	1	1	100%
Boro (mg B/L)	1.0	<0.10	<0.10	0	100%	1	1	100%
Bromato (µg BrO3/L)	10	<5	<5	0	100%	1	1	100%
Cádmio (µg Cd/L)	5.0	<1.0	<1.0	0	100%	1	1	100%
Cálcio (mg Ca/L)	—	14	14	—	—	1	1	100%
Chumbo (µg Pb/L)	10	<3	<3	0	100%	1	1	100%
Cianeto (µg CN/L)	50	<10	<10	0	100%	1	1	100%
Cobre (mg Cu/L)	2.0	<0.010	<0.010	0	100%	1	1	100%
Crómio (µg Cr/L)	50	<5	<5	0	100%	1	1	100%
1,2-Dicloroetano (µg/L)	3.0	<0.5	<0.5	0	100%	1	1	100%
Dureza Total (mg CaCO3/L)	—	65	65	—	—	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	0	100%	1	1	100%
Fluoreto (mg F/L)	1.5	0.18	0.18	0	100%	1	1	100%
Magnésio (mg Mg/L)	—	7.2	7.2	—	—	1	1	100%
Mercurio (µg Hg/L)	1.0	<0.30	<0.30	0	100%	1	1	100%
Níquel (µg Ni/L)	20	<5	<5	0	100%	1	1	100%
Selénio (µg Se/L)	10	<0.5	<0.5	0	100%	1	1	100%
Cloreto (mg Cl/L)	250	4.9	4.9	0	100%	1	1	100%
Sódio (mg Na/L)	200	12	12	0	100%	1	1	100%
Sulfato (mg SO4/L)	250	13	13	0	100%	1	1	100%
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	<3 (Maior LQ)	<3 (Maior LQ)	0	100%	1	1	100%
Tetracloreto (µg/L)	—	<3	<3	—	—	1	1	100%
Tricloreto (µg/L)	—	<0.5	<0.5	—	—	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	<0,005 (Maior LQ)	<0,005 (Maior LQ)	0	100%	1	1	—
Benzo(b)fluoranteno (µg/L)	—	<0,005	<0,005	—	—	1	1	100%
Benzo(k)fluoranteno (µg/L)	—	<0,002	<0,002	—	—	1	1	100%
Benzo(ghi)perileno (µg/L)	—	<0,004	<0,004	—	—	1	1	100%
Indeno(1,2,3-cd)pireno (µg/L)	—	<0,004	<0,004	—	—	1	1	100%
Trihalometanos Totais (µg/L)	100	<3 (Maior LQ)	<3 (Maior LQ)	0	100%	1	1	—
Clorofórmio (µg/L)	—	<3	<3	—	—	1	1	100%
Bromofórmio (µg/L)	—	<3	<3	—	—	1	1	100%
Bromodlorometano (µg/L)	—	<3	<3	—	—	1	1	100%
Dibromodlorometano (µg/L)	—	<3	<3	—	—	1	1	100%
Dose Indicativa (mSv/ano)	0.10	<0.10	<0.10	0	100%	1	1	100%
Alfa-total (Bq/L)	0,10 (Nível de verificação)	<0,04	<0,04	0	—	1	1	—
Beta-Total (Bq/L)	1,0 (Nível de verificação)	<0,10	<0,10	0	—	1	1	—
Radão (Bq/L)	500	<10.0	<10.0	0	100%	1	1	100%
Pesticidas Totais (µg/L)	0.50	—	—	—	—	0	0	—

## Notas:

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Sobral Bendito							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	0.07	0.22	—	—	2	2	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0.50	<0.050	<0.050	0	100%	1	1	100%
N.º Colónias 22°C (N/ml a 22°C)	s/ alter. anormal	3	3	—	—	1	1	100%
N.º Colónias 38°C (N/ml a 38°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
Condutividade (µS/cm a 20 °C)	2500	101	101	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	≥6.5 e ≤8.5	6.7	6.7	0	100%	1	1	100%
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO <sub>3</sub> /L)	50	2.6	2.6	0	100%	1	1	100%
Nitrito (mg NO <sub>2</sub> /L)	0.50	—	—	—	—	0	0	—
Oxidabilidade (mg O <sub>2</sub> /L)	5.0	<2.0	<2.0	0	100%	1	1	100%
Cheiro a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turbidez (UNT)	4	0.9	0.9	0	100%	1	1	100%
Antimónio (µg Sb/L)	6.0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1.0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0.010	—	—	—	—	0	0	—
Boro (mg B/L)	1.0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5.0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2.0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	60	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3.0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1.5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1.0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Clorato (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0.10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodichlorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodichlorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0.10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0.10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1.0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0.50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Sobral de Baixo							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	0.12	0.46	—	—	2	2	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0.50	<0.050	<0.050	0	100%	1	1	100%
N.ºColónias 22°C (N/ml a 22°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
N.ºColónias 36°C (N/ml a 36°C)	s/ alter. anormal	1	1	—	—	1	1	100%
Condutividade (µS/cm. a 20 °C)	2500	115	115	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	≥ 5 e ≤ 9.5	7.6	7.6	0	100%	1	1	100%
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO <sub>3</sub> /L)	50	<1.0	<1.0	0	100%	1	1	100%
Nítrito (mg NO <sub>2</sub> /L)	0.50	—	—	—	—	0	0	—
Oxidabilidade (mg O <sub>2</sub> /L)	5.0	<2.0	<2.0	0	100%	1	1	100%
Cheiro a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turbidez (UNT)	4	0.5	0.5	0	100%	1	1	100%
Antimônio (µg Sb/L)	5.0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1.0	—	—	—	—	0	0	—
Benz(a)pireno (µg/L)	0.010	—	—	—	—	0	0	—
Boro (mg B/L)	1.0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5.0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2.0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3.0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1.5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1.0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0.10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0.10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0.10 (límit verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1.0 (límit verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0.50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Sobral Magro							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfectante residual (mg Cl <sub>2</sub> /L)	—	<0.05	<0.05	—	—	2	2	100%
Alumínio (µg Al/L)	200	20	20	0	100%	1	1	100%
Amónio (mg NH <sub>4</sub> /L)	0.50	<0.050	<0.050	0	100%	1	1	100%
N.ºColónias 22°C (N/ml a 22°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
N.ºColónias 36°C (N/ml a 36°C)	s/ alter. anormal	16	16	—	—	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	90.2	90.2	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	0	0	0	100%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	≥ 5 e ≤ 9.5	6.5	6.5	0	100%	1	1	100%
Ferro (µg Fe/L)	200	23	23	0	100%	1	1	100%
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO <sub>3</sub> /L)	50	<1.0	<1.0	0	100%	1	1	100%
Nitrito (mg NO <sub>2</sub> /L)	0.50	<0.020	<0.020	0	100%	1	1	100%
Oxidabilidade (mg O <sub>2</sub> /L)	5.0	<2.0	<2.0	0	100%	1	1	100%
Cheiro a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turvação (UNT)	4	<0.3	<0.3	0	100%	1	1	100%
Antimónio (µg Sb/L)	5.0	<2	<2	0	100%	1	1	100%
Arsénio (µg As/L)	10	2	2	0	100%	1	1	100%
Benzeno (µg/L)	1.0	<0.5	<0.5	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0.010	<0.002	<0.002	0	100%	1	1	100%
Boro (mg B/L)	1.0	<0.10	<0.10	0	100%	1	1	100%
Bromato (µg BrO <sub>3</sub> /L)	10	<5	<5	0	100%	1	1	100%
Cádmio (µg Cd/L)	5.0	<1.0	<1.0	0	100%	1	1	100%
Cálcio (mg Ca/L)	—	3.7	3.7	—	—	1	1	100%
Chumbo (µg Pb/L)	10	<3	<3	0	100%	1	1	100%
Cianeto (µg CN/L)	50	<10	<10	0	100%	1	1	100%
Cobre (mg Cu/L)	2.0	0.050	0.050	0	100%	1	1	100%
Crómio (µg Cr/L)	50	<5	<5	0	100%	1	1	100%
1,2-Dicloroetano (µg/L)	3.0	<0.5	<0.5	0	100%	1	1	100%
Dureza Total (mg CaCO <sub>3</sub> /L)	—	24	24	—	—	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	0	100%	1	1	100%
Fluoreto (mg F/L)	1.5	<0.050	<0.050	0	100%	1	1	100%
Magnésio (mg Mg/L)	—	3.5	3.5	—	—	1	1	100%
Mercurio (µg Hg/L)	1.0	<0.30	<0.30	0	100%	1	1	100%
Níquel (µg Ni/L)	20	11	11	0	100%	1	1	100%
Selénio (µg Se/L)	10	<0.5	<0.5	0	100%	1	1	100%
Cloreto (mg Cl/L)	250	7.5	7.5	0	100%	1	1	100%
Sódio (mg Na/L)	200	8.4	8.4	0	100%	1	1	100%
Sulfato (mg SO <sub>4</sub> /L)	250	5.1	5.1	0	100%	1	1	100%
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	<3 (Maior LQ)	<3 (Maior LQ)	0	100%	1	1	100%
Tetracloreto (µg/L)	—	<3	<3	—	—	1	1	100%
Tricloreto (µg/L)	—	<0.5	<0.5	—	—	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0.10	<0.005 (Maior LQ)	<0.005 (Maior LQ)	0	100%	1	1	—
Benzo(b)fluoranteno (µg/L)	—	<0.005	<0.005	—	—	1	1	100%
Benzo(k)fluoranteno (µg/L)	—	<0.002	<0.002	—	—	1	1	100%
Benzo(ghi)perileno (µg/L)	—	<0.004	<0.004	—	—	1	1	100%
Indeno(1,2,3-cd)pireno (µg/L)	—	<0.004	<0.004	—	—	1	1	100%
Trihalometanos Totais (µg/L)	100	9	9	0	100%	1	1	—
Clorofórmio (µg/L)	—	<3	<3	—	—	1	1	100%
Bromofórmio (µg/L)	—	6	6	—	—	1	1	100%
Bromodiorometano (µg/L)	—	<3	<3	—	—	1	1	100%
Dibromodiorometano (µg/L)	—	3	3	—	—	1	1	100%
Dose Indicativa (mSv/ano)	0.10	<0.10	<0.10	0	100%	1	1	100%
Alfa-total (Bq/L)	0.10 (Nível de verificação)	<0.04	<0.04	0	—	1	1	—
Beta-Total (Bq/L)	1.0 (Nível de verificação)	<0.10	<0.10	0	—	1	1	—
Radão (Bq/L)	500	21.0	21.0	0	100%	1	1	100%
Pesticidas Totais (µg/L)	0.50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Soeirinho							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg Cl2/L)	—	<0.05	0.09	—	—	2	2	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0.50	<0.050	<0.050	0	100%	1	1	100%
N.º Colónias 22°C (N/ml a 22°C)	s/ alter. anormal	34	34	—	—	1	1	100%
N.º Colónias 36°C (N/ml a 36°C)	s/ alter. anormal	24	24	—	—	1	1	100%
Condutividade (µS/cm a 20 °C)	2500	82.9	82.9	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	≥ 5 e ≤ 9.5	7.1	7.1	0	100%	1	1	100%
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO3/L)	50	5.1	5.1	0	100%	1	1	100%
Nítrio (mg NO2/L)	0.50	—	—	—	—	0	0	—
Oxidabilidade (mg O2/L)	5.0	<2.0	<2.0	0	100%	1	1	100%
Cheiro a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turvação (UNT)	4	<0.3	<0.3	0	100%	1	1	100%
Antimônio (µg Sb/L)	5.0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1.0	—	—	—	—	0	0	—
Benz(a)pireno (µg/L)	0.010	—	—	—	—	0	0	—
Boro (mg B/L)	1.0	—	—	—	—	0	0	—
Brometo (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5.0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2.0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3.0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1.5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1.0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0.10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0.10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0.10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1.0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0.50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Souto do Brejo							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg Cl2/L)	—	<0.05	0.05	—	—	2	2	100%
Alumínio (µg Al/L)	200	<20	<20	0	100%	1	1	100%
Amónio (mg NH4/L)	0.50	<0.050	<0.050	0	100%	1	1	100%
N.º Colónias 22°C (N/ml a 22°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
N.º Colónias 36°C (N/ml a 36°C)	s/ alter. anormal	23	23	—	—	1	1	100%
Condutividade (µS/cm a 20 °C)	2500	97.8	97.8	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	0	0	0	100%	1	1	100%
Cdr (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	≥8.5 e ≤9.5	7.0	7.0	0	100%	1	1	100%
Ferro (µg Fe/L)	200	<10	<10	0	100%	1	1	100%
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO3/L)	50	<1.0	<1.0	0	100%	1	1	100%
Nítrito (mg NO2/L)	0.50	<0.020	<0.020	0	100%	1	1	100%
Oxidabilidade (mg O2/L)	5.0	<2.0	<2.0	0	100%	1	1	100%
Cheiro, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turvação (UNT)	4	<0.3	<0.3	0	100%	1	1	100%
Antimónio (µg Sb/L)	5.0	<2	<2	0	100%	1	1	100%
Arsénio (µg As/L)	10	<1	<1	0	100%	1	1	100%
Benzeno (µg/L)	1.0	<0.5	<0.5	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0.010	<0.002	<0.002	0	100%	1	1	100%
Boro (mg B/L)	1.0	<0.10	<0.10	0	100%	1	1	100%
Bromato (µg BrO3/L)	10	<5	<5	0	100%	1	1	100%
Cádmio (µg Cd/L)	5.0	<1.0	<1.0	0	100%	1	1	100%
Cálcio (mg Ca/L)	—	17	17	—	—	1	1	100%
Chumbo (µg Pb/L)	10	<3	<3	0	100%	1	1	100%
Cianeto (µg CN/L)	50	<10	<10	0	100%	1	1	100%
Cobre (mg Cu/L)	2.0	0.020	0.020	0	100%	1	1	100%
Crómio (µg Cr/L)	50	<5	<5	0	100%	1	1	100%
1,2-Dicloroetano (µg/L)	3.0	<0.5	<0.5	0	100%	1	1	100%
Dureza Total (mg CaCO3/L)	—	50	50	—	—	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	0	100%	1	1	100%
Fluoreto (mg F/L)	1.5	<0.050	<0.050	0	100%	1	1	100%
Magnésio (mg Mg/L)	—	1.7	1.7	—	—	1	1	100%
Mercurio (µg Hg/L)	1.0	<0.30	<0.30	0	100%	1	1	100%
Níquel (µg Ni/L)	20	<5	<5	0	100%	1	1	100%
Selénio (µg Se/L)	10	<0.5	<0.5	0	100%	1	1	100%
Cloreto (mg Cl/L)	250	4.2	4.2	0	100%	1	1	100%
Sódio (mg Na/L)	200	<3.0	<3.0	0	100%	1	1	100%
Sulfato (mg SO4/L)	250	<5.0	<5.0	0	100%	1	1	100%
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	<3 (Maior LQ)	<3 (Maior LQ)	0	100%	1	1	100%
Tetracloreto (µg/L)	—	<3	<3	—	—	1	1	100%
Tricloreto (µg/L)	—	<0.5	<0.5	—	—	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	<0,005 (Maior LQ)	<0,005 (Maior LQ)	0	100%	1	1	—
Benzo(h)fluoranteno (µg/L)	—	<0,005	<0,005	—	—	1	1	100%
Benzo(k)fluoranteno (µg/L)	—	<0,002	<0,002	—	—	1	1	100%
Benzo(ghi)perileno (µg/L)	—	<0,004	<0,004	—	—	1	1	100%
Indeno(1,2,3-cd)pireno (µg/L)	—	<0,004	<0,004	—	—	1	1	100%
Trihalometanos Totais (µg/L)	100	<3 (Maior LQ)	<3 (Maior LQ)	0	100%	1	1	—
Clorofórmio (µg/L)	—	<3	<3	—	—	1	1	100%
Bromofórmio (µg/L)	—	<3	<3	—	—	1	1	100%
Bromodiclorometano (µg/L)	—	<3	<3	—	—	1	1	100%
Dibromoclorometano (µg/L)	—	<3	<3	—	—	1	1	100%
Dose Indicativa (mSv/ano)	0.10	<0.10	<0.10	0	100%	1	1	100%
Alfa-total (Bq/L)	0,10 (Nível de verificação)	<0,04	<0,04	0	—	1	1	—
Beta-Total (Bq/L)	1,0 (Nível de verificação)	<0,10	<0,10	0	—	1	1	—
Radão (Bq/L)	500	<10.0	<10.0	0	100%	1	1	100%
Pesticidas Totais (µg/L)	0.50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Vidual de Baixo							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
<i>Escherichia Coli</i> (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	0,28	0,28	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0,50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
<i>Clostridium perfringens</i> (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥8,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitrito (mg NO <sub>2</sub> /L)	0,50	—	—	—	—	0	0	—
Oxidebilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Chave a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turbidez (UNT)	4	—	—	—	—	0	0	—
Antimônio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromo (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
<i>Enterococcus fecalis</i> (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trifluorometano Total (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Vidual de Cima							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 162/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfecante residual (mg Cl <sub>2</sub> /L)	—	<0.05	<0.05	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amônio (mg NH <sub>4</sub> /L)	0,60	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	6,5 a 8,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>2</sub> /L)	0,60	—	—	—	—	0	0	—
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turvação (UNT)	4	—	—	—	—	0	0	—
Antimônio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Árseno (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crômio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selênio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/dia)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Z.A Unhais-o-Velho - Sist Velho							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	0,12	0,12	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0,50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alt. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alt. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E, Sorensen)	≥8,5 e ≤8,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>2</sub> /L)	0,50	—	—	—	—	0	0	—
Oxalibilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turvação (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Ársénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzol(H)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercúrio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Clorato (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alt. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzol(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzol(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzol(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trifalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromoclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Rádão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Z.A. Unhais-o-Velho Sist. Novo							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 162/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl2/L)	—	0,08	0,08	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0,50	—	—	—	—	0	0	—
N.ºColónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.ºColónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤8,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO3/L)	50	—	—	—	—	0	0	—
Nitrito (mg NO2/L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O2/L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turvação (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benz(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Merúrio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloreto (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (nível verificação)	—	—	—	—	0	0	—
Beta-Total (Bq/L)	1,0 (nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—



## QUALIDADE DA ÁGUA PARA CONSUMO HUMANO

Entidade Gestora Abastecida: C.M. Pampilhosa da Serra  
 Ponto de Entrega (PE): C.M. Pampilhosa da Serra: St.º Luzia  
 Pontos de Amostragem (representativos do PE): Saldá Reservatório Pampilhosa Serra I

PERÍODO DE COLHEITA:  
4º TRIMESTRE / 2018

Parâmetros	N.º DE AMOSTRAS PCQA			Valor Determinado		Valor Paramétrico (Decreto-lei n.º 306/2007)	N.º Amostras > Valor Paramétrico	% Cumprimento Valor Paramétrico
	Previstas	Realizadas	% Cumprimento	Máximo	Mínimo			
<b>Parâmetros Controlo de Rotina RI</b>	<b>3</b>	<b>3</b>	<b>100,00%</b>				<b>0</b>	
Bactérias coliformes ( ufc/100 mL )	1	1	100,00%	0		0	0	100,00%
Cloro residual disponível ( mg/L Cl <sub>2</sub> )	1	1	100,00%	0,60		-	-	-
<i>Escherichia coli</i> ( ufc/100 mL )	1	1	100,00%	0		0	0	100,00%

Avaliação: Os resultados analíticos apresentados evidenciam que a água distribuída a essa Entidade está em conformidade com as normas de qualidade estabelecidas no Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei n.º 152/2017, de 7 de dezembro.

