



Dados do Controlo da Qualidade da Água para Consumo Humano no Concelho de Marco de Canaveses

1º TRIMESTRE

Em conformidade com o Decreto-Lei n.º 152/2017, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR)

2023

Zona de Abastecimento: Barreiros

Parâmetro	Valor	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º de análises PCQA	N.º Análises no trimestre		% Análises Realizadas
	Paramétrico (VP)	Mínimo	Máximo				Previstas	Realizadas	
<i>Escherichia coli</i> (<i>E. Coli</i>) (UFC/100 ml)	0	0	0	0	100%	6	2	2	100%
Bactérias coliformes (UFC/100 ml)	0	0	0	0	100%	6	2	2	100%
Desinfetante residual (mg/l)	---	0.52	0.79	---	---	6	2	2	100%
Cheiro a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	2	1	1	100%
Sabor a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	2	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9,5	6.7	6.7	0	100%	2	1	1	100%
Condutividade a 20 °C (µS/cm)	2500	52.5	52.5	0	100%	2	1	1	100%
Cor (mg/l PtCo)	20	< 3.0	< 3.0	0	100%	2	1	1	100%
Turvação (NTU)	4	< 1.0	< 1.0	0	100%	2	1	1	100%
Enterococos (UFC/100 ml)	0	0	0	0	100%	2	1	1	100%
Número de colónias a 22 °C (N/ml)	---	0	0	---	---	2	1	1	100%
Número de colónias a 37 °C (N/ml)	---	0	0	---	---	2	1	1	100%
<i>Clostridium perfringens</i> (N/100 ml)	0	0	0	0	100%	1	1	1	100%
Alumínio (µg/L Al)	200	32.5	32.5	0	100%	1	1	1	100%
Amónio (mg/l NH ₄)	0.50	< 0.05	< 0.05	0	100%	1	1	1	100%
Antimónio (µg/l Sb)	5.0	< 1.0	< 1.0	0	100%	1	1	1	100%
Arsénio (µg/l As)	10	1.9	1.9	0	100%	1	1	1	100%
Benzeno (µg/l)	1.0	< 0.20	< 0.20	0	100%	1	1	1	100%
Benzo(a)pireno (µg/l)	0.010	< 0.0030	< 0.0030	0	100%	1	1	1	100%
Boro (mg/l B)	1.0	< 0.010	< 0.010	0	100%	1	1	1	100%
Bromatos (µg/l BrO ₃)	10	< 5.0	< 5.0	0	100%	1	1	1	100%
Cádmio (µg/l Cd)	5.0	< 0.20	< 0.20	0	100%	1	1	1	100%
Cálcio (mg/l Ca)	---	0.99	0.99	---	---	1	1	1	100%
Cianetos (µg/l CN)	50	< 10	< 10	0	100%	1	1	1	100%
Cloretos (mg/l Cl)	250	< 10.0	< 10.0	0	100%	1	1	1	100%
Chumbo (µg/l Pb)	10	< 1.0	< 1.0	0	100%	1	1	1	100%
Cobre (mg/l Cu)	2.0	0.012	0.012	0	100%	1	1	1	100%
Crómio (µg/l Cr)	50	< 1.0	< 1.0	0	100%	1	1	1	100%
1,2 - dicloroetano (µg/l)	3.0	< 0.750	< 0.750	0	100%	1	1	1	100%
Dureza total (mg/l CaCO ₃)	---	18.0	18.0	---	---	1	1	1	100%
Ferro (µg/l Fe)	200	< 60	< 60	0	100%	1	1	1	100%
Fluoretos (mg/l F)	1.5	< 0.20	< 0.20	0	100%	1	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos (HAP) (µg/l)	0.10	< 0.0200	< 0.0200	0	100%	1	1	1	100%
Benzo(b)fluoranteno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Benzo(k)fluoranteno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Benzo(ghi)perileno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Indeno(1,2,3-cd)pireno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Magnésio (mg/l Mg)	---	0.24	0.24	---	---	1	1	1	100%
Manganês (µg/l Mn)	50	< 0.50	< 0.50	0	100%	1	1	1	100%
Nitratos (mg/l NO ₃)	50	2.1	2.1	0	100%	1	1	1	100%
Nitritos (mg/l NO ₂)	0.50	< 0.10	< 0.10	0	100%	1	1	1	100%
Mercurio (µg/l Hg)	1.0	< 0.010	< 0.010	0	100%	1	1	1	100%
Níquel (µg/l Ni)	20	< 2.0	< 2.0	0	100%	1	1	1	100%
Oxidabilidade (mg/l O ₂)	5.0	1.1	1.1	0	100%	1	1	1	100%
Selénio (µg/l Se)	10	< 1.0	< 1.0	0	100%	1	1	1	100%
Sódio (mg/l Na)	200	6.85	6.85	0	100%	1	1	1	100%
Sulfatos (mg/l SO ₄)	250	< 10.0	< 10.0	0	100%	1	1	1	100%
Tetracloroetano e Tricloroetano (µg/l)	10	< 0.30	< 0.30	0	100%	1	1	1	100%
Tetracloroetano (µg/l)	---	< 0.20	< 0.20	---	---	1	1	1	100%
Tricloroetano (µg/l)	---	< 0.10	< 0.10	---	---	1	1	1	100%
Trihalometanos - total (THM) (µg/l)	100	1.56	1.56	0	100%	1	1	1	100%
Clorofórmio (µg/l)	---	0.34	0.34	---	---	1	1	1	100%
Bromofórmio (µg/l)	---	< 0.20	< 0.20	---	---	1	1	1	100%
Bromodichlorometano (µg/l)	---	0.60	0.60	---	---	1	1	1	100%
Dibromoclorometano (µg/l)	---	0.62	0.62	---	---	1	1	1	100%
Pesticidas - total (µg/l)	0.50	---	---	---	---	1	0	0	---
Bentazona (µg/l)	0.10	---	---	---	---	1	0	0	---
Clorpirifos (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilterbutilazina (µg/L)	0.10	---	---	---	---	1	0	0	---
Dimetoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Diurão (µg/L)	0.10	---	---	---	---	1	0	0	---
MCPA (µg/l)	0.10	---	---	---	---	1	0	0	---
Metolaclo (µg/l)	0.10	---	---	---	---	1	0	0	---
Terbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Omtoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Imidaclopride (µg/l)	0.10	---	---	---	---	1	0	0	---
Simazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilsimazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Metribuzina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetenamida-P (µg/l)	0.10	---	---	---	---	1	0	0	---
Alfa total (Bq/l)	0.1	< 0.04	< 0.04	0	100%	1	1	1	100%
Dose indicativa (mSv)	0.10	< 0.1	< 0.1	0	100%	1	1	1	100%
Radão (Bq/l)	500	46.5	46.5	0	100%	1	1	1	100%

Informação complementar relativa à averiguação das situações de incumprimento dos VP: Não foram registados incumprimentos dos VP neste trimestre para esta Zona de Abastecimento.

Responsável: Daniel Cardoso

Data da publicação:

DFE 23/05/2023



Dados do Controlo da Qualidade da Água para Consumo Humano no Concelho de Marco de Canaveses

1º TRIMESTRE

Em conformidade com o Decreto-Lei n.º 152/2017, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR)

2023

Zona de Abastecimento: Pinheiro-Gouveia

Parâmetro	Valor Paramétrico (VP)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º de análises PCQA	N.º Análises no trimestre		% Análises Realizadas
		Mínimo	Máximo				Previstas	Realizadas	
<i>Escherichia coli</i> (<i>E. Coli</i>) (UFC/100 ml)	0	0	0	0	100%	6	2	2	100%
Bactérias coliformes (UFC/100 ml)	0	0	0	0	100%	6	2	2	100%
Desinfetante residual (mg/l)	---	0.41	0.54	---	---	6	2	2	100%
Cheiro a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	2	1	1	100%
Sabor a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	2	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9,5	6.7	6.7	0	100%	2	1	1	100%
Condutividade a 20 °C (µS/cm)	2500	124	124	0	100%	2	1	1	100%
Cor (mg/l PtCo)	20	< 3.0	< 3.0	0	100%	2	1	1	100%
Turvação (NTU)	4	< 1.0	< 1.0	0	100%	2	1	1	100%
Enterococos (UFC/100 ml)	0	0	0	0	100%	2	1	1	100%
Número de colónias a 22 °C (N/ml)	---	0	0	---	---	2	1	1	100%
Número de colónias a 37 °C (N/ml)	---	0	0	---	---	2	1	1	100%
<i>Clostridium perfringens</i> (N/100 ml)	0	0	0	0	100%	1	1	1	100%
Alumínio (µg/L Al)	200	29.0	29.0	0	100%	1	1	1	100%
Amónio (mg/l NH ₄)	0.50	< 0.05	< 0.05	0	100%	1	1	1	100%
Antimónio (µg/l Sb)	5.0	< 1.0	< 1.0	0	100%	1	1	1	100%
Arsénio (µg/l As)	10	2.7	2.7	0	100%	1	1	1	100%
Benzeno (µg/l)	1.0	< 0.20	< 0.20	0	100%	1	1	1	100%
Benzo(a)pireno (µg/l)	0.010	< 0.0030	< 0.0030	0	100%	1	1	1	100%
Boro (mg/l B)	1.0	< 0.010	< 0.010	0	100%	1	1	1	100%
Bromatos (µg/l BrO ₃)	10	< 5.0	< 5.0	0	100%	1	1	1	100%
Cádmio (µg/l Cd)	5.0	< 0.10	< 0.10	0	100%	1	1	1	100%
Cálcio (mg/l Ca)	---	4.1	4.1	---	---	1	1	1	100%
Cianetos (µg/l CN)	50	< 10	< 10	0	100%	1	1	1	100%
Cloretos (mg/l Cl)	250	17.5	17.5	0	100%	1	1	1	100%
Chumbo (µg/l Pb)	10	< 1.0	< 1.0	0	100%	1	1	1	100%
Cobre (mg/l Cu)	2.0	0.0152	0.0152	0	100%	1	1	1	100%
Crómio (µg/l Cr)	50	< 1.0	< 1.0	0	100%	1	1	1	100%
1,2 - dicloroetano (µg/l)	3.0	< 0.750	< 0.750	0	100%	1	1	1	100%
Dureza total (mg/l CaCO ₃)	---	17.3	17.3	---	---	1	1	1	100%
Ferro (µg/l Fe)	200	< 60	< 60	0	100%	1	1	1	100%
Fluoretos (mg/l F)	1.5	< 0.20	< 0.20	0	100%	1	1	1	100%
Hydrocarbonetos Aromáticos Policíclicos (HAP) (µg/l)	0.10	< 0.0200	< 0.0200	0	100%	1	1	1	100%
Benzo(b)fluoranteno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Benzo(k)fluoranteno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Benzo(ghi)perileno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Indeno(1,2,3-cd)pireno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Magnésio (mg/l Mg)	---	1.7	1.7	---	---	1	1	1	100%
Manganês (µg/l Mn)	50	3.38	3.38	0	100%	1	1	1	100%
Nitratos (mg/l NO ₃)	50	2.5	2.5	0	100%	1	1	1	100%
Nitritos (mg/l NO ₂)	0.50	< 0.10	< 0.10	0	100%	1	1	1	100%
Mercurio (µg/l Hg)	1.0	< 0.010	< 0.010	0	100%	1	1	1	100%
Níquel (µg/l Ni)	20	< 2.0	< 2.0	0	100%	1	1	1	100%
Oxidabilidade (mg/l O ₂)	5.0	1.6	1.6	0	100%	1	1	1	100%
Selénio (µg/l Se)	10	< 1.0	< 1.0	0	100%	1	1	1	100%
Sódio (mg/l Na)	200	10.5	10.5	0	100%	1	1	1	100%
Sulfatos (mg/l SO ₄)	250	< 10.0	< 10.0	0	100%	1	1	1	100%
Tetracloroetano e Tricloroetano (µg/l)	10	< 0.30	< 0.30	0	100%	1	1	1	100%
Tetracloroetano (µg/l)	---	< 0.20	< 0.20	---	---	1	1	1	100%
Tricloroetano (µg/l)	---	< 0.10	< 0.10	---	---	1	1	1	100%
Trihalometanos - total (THM) (µg/l)	100	8.00	8.00	0	100%	1	1	1	100%
Clorofórmio (µg/l)	---	2.50	2.50	---	---	1	1	1	100%
Bromofórmio (µg/l)	---	0.25	0.25	---	---	1	1	1	100%
Bromodiclorometano (µg/l)	---	3.30	3.30	---	---	1	1	1	100%
Dibromoclorometano (µg/l)	---	1.95	1.95	---	---	1	1	1	100%
Pesticidas - total (µg/l)	0.50	---	---	---	---	1	0	0	---
Bentazona (µg/l)	0.10	---	---	---	---	1	0	0	---
Clorpirifos (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilterbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Diurão (µg/l)	0.10	---	---	---	---	1	0	0	---
MCPA (µg/l)	0.10	---	---	---	---	1	0	0	---
Metolacolor (µg/l)	0.10	---	---	---	---	1	0	0	---
Terbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Ometoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Imidaclopride (µg/l)	0.10	---	---	---	---	1	0	0	---
Simazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilsimazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Metribuzina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetenamida-P (µg/l)	0.10	---	---	---	---	1	0	0	---
Alfa total (Bq/l)	0.1	0.10	0.10	0	100%	1	1	1	100%
Dose indicativa (mSv)	0.10	< 0.1	< 0.1	0	100%	1	1	1	100%
Radão (Bq/l)	500	194	194	0	100%	1	1	1	100%

Informação complementar relativa à averiguação das situações de incumprimento dos VP: Não foram registados incumprimentos dos VP neste trimestre para esta Zona de Abastecimento.

Responsável: Daniel Cardoso

Data da publicação:

23.05.2023



Dados do Controlo da Qualidade da Água para Consumo Humano no Concelho de Marco de Canaveses

1º TRIMESTRE

Em conformidade com o Decreto-Lei n.º 152/2017, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR)

2023

Zona de Abastecimento: JuncaI

Parâmetro	Valor Paramétrico (VP)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º de análises PCQA	N.º Análises no trimestre		% Análises Realizadas
		Mínimo	Máximo				Previstas	Realizadas	
<i>Escherichia coli</i> (<i>E. Coli</i>) (UFC/100 ml)	0	0	0	0	100%	6	2	2	100%
Bactérias coliformes (UFC/100 ml)	0	0	0	0	100%	6	2	2	100%
Desinfetante residual (mg/l)	---	0.5	0.54	---	---	6	2	2	100%
Cheiro a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	2	1	1	100%
Sabor a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	2	1	1	100%
pH (Unidades pH) ⁽¹⁾	≥6,5 e ≤9,5	6.4	6.4	1	0%	2	1	1	100%
Condutividade a 20 °C (µS/cm)	2500	79.7	79.7	0	100%	2	1	1	100%
Cor (mg/l PtCo)	20	< 3.0	< 3.0	0	100%	2	1	1	100%
Turvação (NTU)	4	< 1.0	< 1.0	0	100%	2	1	1	100%
Enterococos (UFC/100 ml)	0	0	0	0	100%	2	1	1	100%
Número de colónias a 22 °C (N/ml)	---	12	12	---	---	2	1	1	100%
Número de colónias a 37 °C (N/ml)	---	16	16	---	---	2	1	1	100%
Arsénio (µg/l As)	10	2.7	2.7	0	100%	2	1	1	100%
<i>Clostridium perfringens</i> (N/100 ml)	0	0	0	0	100%	1	1	1	100%
Alumínio (µg/l Al)	200	22.8	22.8	0	100%	1	1	1	100%
Amónio (mg/l NH ₄)	0.50	0.19	0.19	0	100%	1	1	1	100%
Antimónio (µg/l Sb)	5.0	< 1.0	< 1.0	0	100%	1	1	1	100%
Benzeno (µg/l)	1.0	< 0.20	< 0.20	0	100%	1	1	1	100%
Benzo(a)pireno (µg/l)	0.010	< 0.0030	< 0.0030	0	100%	1	1	1	100%
Boro (mg/l B)	1.0	< 0.010	< 0.010	0	100%	1	1	1	100%
Bromatos (µg/l BrO ₃)	10	< 5.0	< 5.0	0	100%	1	1	1	100%
Cádmio (µg/l Cd)	5.0	< 0.10	< 0.10	0	100%	1	1	1	100%
Cálcio (mg/l Ca)	---	1.73	1.73	---	---	1	1	1	100%
Cianetos (µg/l CN)	50	< 1.0	< 1.0	0	100%	1	1	1	100%
Cloretos (mg/l Cl)	250	10.3	10.3	0	100%	1	1	1	100%
Chumbo (µg/l Pb)	10	< 1.0	< 1.0	0	100%	1	1	1	100%
Cobre (mg/l Cu)	2.0	0.0186	0.0186	0	100%	1	1	1	100%
Crómio (µg/l Cr)	50	< 1.0	< 1.0	0	100%	1	1	1	100%
1,2 - dicloroetano (µg/l)	3.0	< 0.750	< 0.750	0	100%	1	1	1	100%
Dureza total (mg/l CaCO ₃)	---	4.9	4.9	---	---	1	1	1	100%
Ferro (µg/l Fe)	200	8.8	8.8	0	100%	1	1	1	100%
Fluoretos (mg/l F)	1.5	< 0.20	< 0.20	0	100%	1	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos (HAP) (µg/l)	0.10	< 0.0200	< 0.0200	0	100%	1	1	1	100%
Benzo(b)fluoranteno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Benzo(k)fluoranteno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Benzo(ghi)perileno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Indeno(1,2,3-cd)pireno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Magnésio (mg/l Mg)	---	0.609	0.609	---	---	1	1	1	100%
Manganês (µg/l Mn)	50	0.95	0.95	0	100%	1	1	1	100%
Nitratos (mg/l NO ₃)	50	3.4	3.4	0	100%	1	1	1	100%
Nitritos (mg/l NO ₂)	0.50	< 0.10	< 0.10	0	100%	1	1	1	100%
Mercúrio (µg/l Hg)	1.0	< 0.010	< 0.010	0	100%	1	1	1	100%
Níquel (µg/l Ni)	20	< 2.0	< 2.0	0	100%	1	1	1	100%
Oxidabilidade (mg/l O ₂)	5.0	1.4	1.4	0	100%	1	1	1	100%
Selénio (µg/l Se)	10	< 1.0	< 1.0	0	100%	1	1	1	100%
Sódio (mg/l Na)	200	9.95	9.95	0	100%	1	1	1	100%
Sulfatos (mg/l SO ₄)	250	< 10.0	< 10.0	0	100%	1	1	1	100%
Tetracloroetano e Tricloroetano (µg/l)	10	< 0.30	< 0.30	0	100%	1	1	1	100%
Tetracloroetano (µg/l)	---	< 0.20	< 0.20	---	---	1	1	1	100%
Tricloroetano (µg/l)	---	< 0.10	< 0.10	---	---	1	1	1	100%
Trihalometanos - total (THM) (µg/l)	100	11.3	11.3	0	100%	1	1	1	100%
Clorofórmio (µg/l)	---	6.41	6.41	---	---	1	1	1	100%
Bromofórmio (µg/l)	---	< 0.20	< 0.20	---	---	1	1	1	100%
Bromodiclorometano (µg/l)	---	3.80	3.80	---	---	1	1	1	100%
Dibromoclorometano (µg/l)	---	1.13	1.13	---	---	1	1	1	100%
Pesticidas - total (µg/l)	0.50	---	---	---	---	1	0	0	---
Bentazona (µg/l)	0.10	---	---	---	---	1	0	0	---
Clorpirifós (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilterbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Diurão (µg/l)	0.10	---	---	---	---	1	0	0	---
MCPA (µg/l)	0.10	---	---	---	---	1	0	0	---
Metoladoro (µg/l)	0.10	---	---	---	---	1	0	0	---
Terbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Ometoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Imidaclopride (µg/l)	0.10	---	---	---	---	1	0	0	---
Simazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilsimazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Metribuzina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetenamida-P (µg/l)	0.10	---	---	---	---	1	0	0	---
Alfa total (Bq/l)	0.1	0.05	0.05	0	100%	1	1	1	100%
Dose indicativa (mSv)	0.10	< 0.1	< 0.1	0	100%	1	1	1	100%
Radão (Bq/l)	500	< 10.0	< 10.0	0	100%	1	1	1	100%

Informação complementar relativa à averiguação das situações de incumprimento dos VP: ⁽¹⁾ pH - Incumprimento devido às características naturais (hidrogeológicas) da origem de água. Não foram tomadas medidas mas existe já um plano de trabalhos com vista à sua correcção.

Responsável: Daniel Cardoso

Data da publicação:

23.05.2023



Dados do Controlo da Qualidade da Água para Consumo Humano no Concelho de Marco de Canaveses

1º TRIMESTRE

Em conformidade com o Decreto-Lei n.º 152/2017, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR)

2023

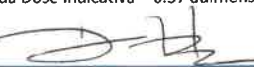
Zona de Abastecimento: Magrelos

Parâmetro	Valor Paramétrico (VP)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º de análises PCQA	N.º Análises no trimestre		% Análises Realizadas
		Mínimo	Máximo				Previstas	Realizadas	
<i>Escherichia coli</i> (<i>E. Coli</i>) (UFC/100 ml)	0	0	0	0	100%	6	2	2	100%
Bactérias coliformes (UFC/100 ml)	0	0	0	0	100%	6	2	2	100%
Desinfetante residual (mg/l)	---	0.38	0.55	---	---	6	2	2	100%
Cheiro a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	2	1	1	100%
Sabor a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	2	1	1	100%
pH (Unidades pH) ⁽¹⁾	≥6,5 e ≤9,5	5.9	5.9	1	0%	2	1	1	100%
Condutividade a 20 °C (µS/cm)	2500	135	135	0	100%	2	1	1	100%
Cor (mg/l PtCo)	20	< 3.0	< 3.0	0	100%	2	1	1	100%
Turvação (NTU)	4	< 1.0	< 1.0	0	100%	2	1	1	100%
Enterococos (UFC/100 ml)	0	0	0	0	100%	2	1	1	100%
Número de colónias a 22 °C (N/ml)	---	0	0	---	---	2	1	1	100%
Número de colónias a 37 °C (N/ml)	---	0	0	---	---	2	1	1	100%
<i>Clostridium perfringens</i> (N/100 ml)	0	0	0	0	100%	1	1	1	100%
Alumínio (µg/L Al)	200	100	100	0	100%	1	1	1	100%
Amónio (mg/l NH ₄)	0.50	< 0.05	< 0.05	0	100%	1	1	1	100%
Antimónio (µg/l Sb)	5.0	< 1.0	< 1.0	0	100%	1	1	1	100%
Arsénio (µg/l As)	10	3.0	3.0	1	0%	1	1	1	100%
Benzeno (µg/l)	1.0	< 0.20	< 0.20	0	100%	1	1	1	100%
Benzo(a)pireno (µg/l)	0.010	< 0.0030	< 0.0030	0	100%	1	1	1	100%
Boro (mg/l B)	1.0	< 0.010	< 0.010	0	100%	1	1	1	100%
Bromatos (µg/l BrO ₃)	10	< 5.0	< 5.0	0	100%	1	1	1	100%
Cádmio (µg/l Cd)	5.0	< 0.20	< 0.20	0	100%	1	1	1	100%
Cálcio (mg/l Ca)	---	10.5	10.5	---	---	1	1	1	100%
Cianetos (µg/l CN)	50	< 10	< 10	0	100%	1	1	1	100%
Cloretos (mg/l Cl)	250	29.4	29.4	0	100%	1	1	1	100%
Chumbo (µg/l Pb)	10	1.4	1.4	0	100%	1	1	1	100%
Cobre (mg/l Cu)	2.0	0.059	0.059	0	100%	1	1	1	100%
Crómio (µg/l Cr)	50	< 1.0	< 1.0	0	100%	1	1	1	100%
1,2 - dicloroetano (µg/l)	3.0	< 0.750	< 0.750	0	100%	1	1	1	100%
Dureza total (mg/l CaCO ₃)	---	30.1	30.1	---	---	1	1	1	100%
Ferro (µg/l Fe)	200	< 60	< 60	0	100%	1	1	1	100%
Fluoretos (mg/l F)	1.5	0.49	0.49	0	100%	1	1	1	100%
Hydrocarbonetos Aromáticos Policíclicos (HAP) (µg/l)	0.10	< 0.0200	< 0.0200	0	100%	1	1	1	100%
Benzo(b)fluoranteno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Benzo(k)fluoranteno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Benzo(ghi)perileno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Indeno(1,2,3-cd)pireno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Magnésio (mg/l Mg)	---	0.9	0.9	---	---	1	1	1	100%
Manganês (µg/l Mn)	50	6.33	6.33	0	100%	1	1	1	100%
Nitratos (mg/l NO ₃)	50	< 1.0	< 1.0	0	100%	1	1	1	100%
Nitritos (mg/l NO ₂)	0.50	< 0.10	< 0.10	0	100%	1	1	1	100%
Mercúrio (µg/l Hg)	1.0	0.063	0.063	0	100%	1	1	1	100%
Níquel (µg/l Ni)	20	< 2.0	< 2.0	0	100%	1	1	1	100%
Oxidabilidade (mg/l O ₂)	5.0	1.4	1.4	0	100%	1	1	1	100%
Selénio (µg/l Se)	10	< 1.0	< 1.0	0	100%	1	1	1	100%
Sódio (mg/l Na)	200	10.7	10.7	0	100%	1	1	1	100%
Sulfatos (mg/l SO ₄)	250	< 10.0	< 10.0	0	100%	1	1	1	100%
Tetracloroetano e Tricloroetano (µg/l)	10	< 0.30	< 0.30	0	100%	1	1	1	100%
Tetracloroetano (µg/l)	---	< 0.20	< 0.20	---	---	1	1	1	100%
Tricloroetano (µg/l)	---	< 0.10	< 0.10	---	---	1	1	1	100%
Trihalometanos - total (THM) (µg/l)	100	2.96	2.96	0	100%	1	1	1	100%
Clorofórmio (µg/l)	---	0.32	0.32	---	---	1	1	1	100%
Bromofórmio (µg/l)	---	0.86	0.86	---	---	1	1	1	100%
Bromodichlorometano (µg/l)	---	0.59	0.59	---	---	1	1	1	100%
Dibromoclorometano (µg/l)	---	1.19	1.19	---	---	1	1	1	100%
Pesticidas - total (µg/l)	0.50	---	---	---	---	1	0	0	---
Bentazona (µg/l)	0.10	---	---	---	---	1	0	0	---
Clorpirifos (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilertbutilazina (µg/L)	0.10	---	---	---	---	1	0	0	---
Dimetoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Diurão (µg/L)	0.10	---	---	---	---	1	0	0	---
MCPA (µg/l)	0.10	---	---	---	---	1	0	0	---
Metolaclo (µg/l)	0.10	---	---	---	---	1	0	0	---
Terbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Omatoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Imidaclopride (µg/l)	0.10	---	---	---	---	1	0	0	---
Simazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilsimazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Metribuzina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetenamida-P (µg/l)	0.10	---	---	---	---	1	0	0	---
Alfa total (Bq/l) ⁽²⁾	0.1	0.35	0.35	1	0%	1	1	1	100%
Dose indicativa (mSv)	0.10	< 0.1	< 0.1	0	100%	1	1	1	100%
Radão (Bq/l)	500	68.2	68.2	0	100%	1	1	1	100%

Informação complementar relativa à averiguação das situações de incumprimento dos VP: ⁽¹⁾ pH: Incumprimento devido às características naturais (hidrogeológicas) da origem de água. Não foram tomadas medidas mas existe já um plano de trabalhos com vista à sua correção. ⁽²⁾ Alfa total: Desvio no valor de verificação devido às características naturais (hidrogeológicas) da origem de água. Não foram tomadas medidas porque se concluiu que a dose indicativa é inferior a 0,10 mSv. Resultado da pesquisa de radionucléidos: Urânio 234 = 0.07 Bq/l, Urânio 238 = 0.06 Bq/l, Rádio 226 = 0.11 Bq/l, Polónio 210 = 0.03 Bq/l. Cálculo da Dose Indicativa = 0.57 adimensional.

Responsável: Daniel Cardoso

Data de publicação:

 23-05-2023



Dados do Controlo da Qualidade da Água para Consumo Humano no Concelho de Marco de Canaveses

1º TRIMESTRE

Em conformidade com o Decreto-Lei n.º 152/2017, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR)

2023

Zona de Abastecimento: Montedeiras

Parâmetro	Valor Paramétrico (VP)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	Nº de análises PCQA	N.º Análises no trimestre		% Análises Realizadas
		Mínimo	Máximo				Previstas	Realizadas	
<i>Escherichia coli</i> (<i>E. Coli</i>) (UFC/100 ml)	0	0	0	0	100%	12	3	3	100%
Bactérias coliformes (UFC/100 ml)	0	0	0	0	100%	12	3	3	100%
Desinfetante residual (mg/l)	---	0.28	0.63	---	---	12	3	3	100%
Cheiro a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	4	1	1	100%
Sabor a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	4	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9,5	7.1	7.1	0	100%	4	1	1	100%
Condutividade a 20 °C (µS/cm)	2500	76.5	76.5	0	100%	4	1	1	100%
Cor (mg/l PtCo)	20	< 3.0	< 3.0	0	100%	4	1	1	100%
Turvação (NTU)	4	< 1.0	< 1.0	0	100%	4	1	1	100%
Enterococos (UFC/100 ml)	0	0	0	0	100%	4	1	1	100%
Número de colónias a 22 °C (N/ml)	---	0	0	---	---	4	1	1	100%
Número de colónias a 37 °C (N/ml)	---	0	0	---	---	4	1	1	100%
Arsénio (µg/l As)	10	5.7	5.7	0	100%	4	1	1	100%
<i>Clostridium perfringens</i> (N/100 ml)	0	0	0	0	100%	1	1	1	100%
Alumínio (µg/L Al)	0	< 20.0	< 20.0	0	100%	1	1	1	100%
Amónio (mg/l NH ₄)	0.50	< 0.05	< 0.05	0	100%	1	1	1	100%
Antimónio (µg/l Sb)	5.0	< 1.0	< 1.0	0	100%	1	1	1	100%
Benzeno (µg/l)	1.0	< 0.20	< 0.20	0	100%	1	1	1	100%
Benzo(a)pireno (µg/l)	0.010	< 0.0030	< 0.0030	0	100%	1	1	1	100%
Boro (mg/l B)	1.0	< 0.010	< 0.010	0	100%	1	1	1	100%
Bromatos (µg/l BrO ₃)	10	< 5.0	< 5.0	0	100%	1	1	1	100%
Cádmio (µg/l Cd)	5.0	< 0.10	< 0.10	0	100%	1	1	1	100%
Cálcio (mg/l Ca)	---	3.7	3.7	---	---	1	1	1	100%
Cianetos (µg/l CN)	50	< 10	< 10	0	100%	1	1	1	100%
Cloretos (mg/l Cl)	250	12.5	12.5	0	100%	1	1	1	100%
Chumbo (µg/l Pb)	10	< 1.0	< 1.0	0	100%	1	1	1	100%
Cobre (mg/l Cu)	2	0.0022	0.0022	0	100%	1	1	1	100%
Crómio (µg/l Cr)	50	< 1.0	< 1.0	0	100%	1	1	1	100%
1,2 - dicloroetano (µg/l)	3.0	< 0.750	< 0.750	0	100%	1	1	1	100%
Dureza total (mg/l CaCO ₃)	---	15.6	15.6	---	---	1	1	1	100%
Ferro (µg/l Fe)	200	< 60	< 60	0	100%	1	1	1	100%
Fluoretos (mg/l F)	1.5	< 0.20	< 0.20	0	100%	1	1	1	100%
Hydrocarbonetos Aromáticos Policíclicos (HAP) (µg/l)	0.10	< 0.0200	< 0.0200	0	100%	1	1	1	100%
Benzo(b)fluoranteno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Benzo(k)fluoranteno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Benzo(ghi)perileno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Indeno(1,2,3-cd)pireno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Magnésio (mg/l Mg)	---	1.6	1.6	---	---	1	1	1	100%
Manganês (µg/l Mn)	50	< 0.50	< 0.50	0	100%	1	1	1	100%
Nitratos (mg/l NO ₃)	50	3.2	3.2	0	100%	1	1	1	100%
Nitritos (mg/l NO ₂)	0.50	< 0.10	< 0.10	0	100%	1	1	1	100%
Mercúrio (µg/l Hg)	1.0	< 0.010	< 0.010	0	100%	1	1	1	100%
Níquel (µg/l Ni)	20	< 2.0	< 2.0	0	100%	1	1	1	100%
Oxidabilidade (mg/l O ₂)	5.0	< 1.0	< 1.0	0	100%	1	1	1	100%
Selénio (µg/l Se)	10	< 1.0	< 1.0	0	100%	1	1	1	100%
Sódio (mg/l Na)	200	8.01	8.01	0	100%	1	1	1	100%
Sulfatos (mg/l SO ₄)	250	< 10.0	< 10.0	0	100%	1	1	1	100%
Tetracloroetano e Tricloroetano (µg/l)	10	< 0.30	< 0.30	0	100%	1	1	1	100%
Tetracloroetano (µg/l)	---	< 0.20	< 0.20	---	---	1	1	1	100%
Tricloroetano (µg/l)	---	< 0.10	< 0.10	---	---	1	1	1	100%
Trihalometanos - total (THM) (µg/l)	100	4.20	4.20	0	100%	1	1	1	100%
Clorofórmio (µg/l)	---	0.73	0.73	---	---	1	1	1	100%
Bromofórmio (µg/l)	---	0.66	0.66	---	---	1	1	1	100%
Bromodiclorometano (µg/l)	---	1.19	1.19	---	---	1	1	1	100%
Dibromoclorometano (µg/l)	---	1.62	1.62	---	---	1	1	1	100%
Pesticidas - total (µg/l)	0.50	---	---	---	---	1	0	0	---
Bentazona (µg/l)	0.10	---	---	---	---	1	0	0	---
Clorpirifos (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilterbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Diurão (µg/l)	0.10	---	---	---	---	1	0	0	---
MCPA (µg/l)	0.10	---	---	---	---	1	0	0	---
Metolaclo (µg/l)	0.10	---	---	---	---	1	0	0	---
Terbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Ometoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Imidaclopride (µg/l)	0.10	---	---	---	---	1	0	0	---
Simazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilsimazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Metribuzina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetenamida-P (µg/l)	0.10	---	---	---	---	1	0	0	---
Alfa total (Bq/l)	0.1	< 0.04	< 0.04	0	100%	1	1	1	100%
Dose indicativa (mSv)	0.10	< 0.1	< 0.1	0	100%	1	1	1	100%
Radão (Bq/l)	500	< 10.0	< 10.0	0	100%	1	1	1	100%

Informação complementar relativa à averiguação das situações de incumprimento dos VP: Não foram registados incumprimentos dos VP neste trimestre para esta Zona de Abastecimento.

Responsável: Daniel Cardoso

Data da publicação:

 23-05-2023



Dados do Controlo da Qualidade da Água para Consumo Humano no Concelho de Marco de Canaveses

1º TRIMESTRE

Em conformidade com o Decreto-Lei n.º 152/2017, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR)

2023

Zona de Abastecimento: Outeiro, Léguas e Toutosa

Parâmetro	Valor	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º de análises PCQA	N.º Análises no trimestre		% Análises Realizadas
	Paramétrico (VP)	Mínimo	Máximo				Previstas	Realizadas	
<i>Escherichia coli</i> (<i>E. Coli</i>) (UFC/100 ml)	0	0	0	0	100%	12	3	3	100%
Bactérias coliformes (UFC/100 ml)	0	0	0	0	100%	12	3	3	100%
Desinfetante residual (mg/l)	---	0.23	1.0	---	---	12	3	3	100%
Cheiro a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	4	1	1	100%
Sabor a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	4	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9,5	7.6	7.6	0	100%	4	1	1	100%
Condutividade a 20 °C (µS/cm)	2500	190	190	0	100%	4	1	1	100%
Cor (mg/l PtCo)	20	< 3.0	< 3.0	0	100%	4	1	1	100%
Turvação (NTU)	4	< 1.0	< 1.0	0	100%	4	1	1	100%
Enterococos (UFC/100 ml)	0	0	0	0	100%	4	1	1	100%
Número de colónias a 22 °C (N/ml)	---	0	0	---	---	4	1	1	100%
Número de colónias a 37 °C (N/ml)	---	0	0	---	---	4	1	1	100%
<i>Clostridium perfringens</i> (N/100 ml)	0	0	0	0	100%	4	1	1	100%
Alumínio (µg/l Al)	200	24.3	24.3	0	100%	4	1	1	100%
Manganês (µg/l Mn)	50	1.06	1.06	0	100%	4	1	1	100%
Amónio (mg/l NH ₄)	0.50	---	---	---	---	1	0	0	---
Antimónio (µg/l Sb) ^(C)	5.0	< 0.5	< 0.5	0	100%	---	---	---	---
Arsénio (µg/l As) ^(C)	10	2.1	2.1	0	100%	---	---	---	---
Benzeno (µg/l) ^(C)	1.0	< 0.20	< 0.20	0	100%	---	---	---	---
Benzo(a)pireno (µg/l)	0.010	---	---	---	---	1	0	0	---
Boro (mg/l B) ^(C)	1.0	0.009	0.009	0	100%	---	---	---	---
Bromatos (µg/l BrO ₃) ^(C)	10	< 2.0	< 2.0	0	100%	---	---	---	---
Cádmio (µg/l Cd) ^(C)	5.0	< 0.5	< 0.5	0	100%	---	---	---	---
Cálcio (mg/l Ca)	---	---	---	---	---	1	0	0	---
Cianetos (µg/l CN) ^(C)	50	< 5	< 5	0	100%	---	---	---	---
Cloretos (mg/l Cl) ^(C)	250	13	13	0	100%	---	---	---	---
Chumbo (µg/l Pb)	10	---	---	---	---	1	0	0	---
Cobre (mg/l Cu)	2.0	---	---	---	---	1	0	0	---
Crómio (µg/l Cr)	50	---	---	---	---	1	0	0	---
1,2 - dicloroetano (µg/l) ^(C)	3.0	< 0.750	< 0.750	0	100%	---	---	---	---
Dureza total (mg/l CaCO ₃)	---	---	---	---	---	1	0	0	---
Ferro (µg/l Fe)	200	---	---	---	---	1	0	0	---
Fluoretos (mg/l F) ^(C)	1.5	< 0.100	< 0.100	0	100%	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos (HAP) (µg/l)	0.10	---	---	---	---	1	0	0	---
Benzo(b)fluoranteno (µg/l)	---	---	---	---	---	1	0	0	---
Benzo(k)fluoranteno (µg/l)	---	---	---	---	---	1	0	0	---
Benzo(ghi)perileno (µg/l)	---	---	---	---	---	1	0	0	---
Indeno(1,2,3-cd)pireno (µg/l)	---	---	---	---	---	1	0	0	---
Magnésio (mg/l Mg)	---	---	---	---	---	1	0	0	---
Nitratos (mg/l NO ₃) ^(C)	50	6.7	6.7	0	100%	---	---	---	---
Nitritos (mg/l NO ₂)	0.50	---	---	---	---	1	0	0	---
Mercurio (µg/l Hg) ^(C)	1.0	< 0.010	< 0.010	0	100%	---	---	---	---
Níquel (µg/l Ni)	20	---	---	---	---	1	0	0	---
Oxidabilidade (mg/l O ₂)	5.0	---	---	---	---	1	0	0	---
Selénio (µg/l Se) ^(C)	10	< 0.5	< 0.5	0	100%	---	---	---	---
Sódio (mg/l Na) ^(C)	200	8.9	8.9	0	100%	---	---	---	---
Sulfatos (µg/l SO ₄) ^(C)	250	24	24	0	100%	---	---	---	---
Tetracloroetano e Tricloroetano (µg/l) ^(C)	10	< 0.20	< 0.20	0	100%	---	---	---	---
Tetracloroetano (µg/l) ^(C)	---	< 0.20	< 0.20	---	---	---	---	---	---
Tricloroetano (µg/l) ^(C)	---	< 0.10	< 0.10	---	---	---	---	---	---
Trihalometanos - total (THM) (µg/l)	100	---	---	---	---	1	0	0	---
Clorofórmio (µg/l)	---	---	---	---	---	1	0	0	---
Bromofórmio (µg/l)	---	---	---	---	---	1	0	0	---
Bromodiclorometano (µg/l)	---	---	---	---	---	1	0	0	---
Dibromoclorometano (µg/l)	---	---	---	---	---	1	0	0	---
Pesticidas - total (µg/l) ^(C)	0.50	< 0.030	< 0.030	0	100%	---	---	---	---
Alacloro (µg/l) ^(C)	0.10	< 0.030	< 0.030	0	100%	---	---	---	---
Bentazona (µg/l) ^(C)	0.10	< 0.030	< 0.030	0	100%	---	---	---	---
Clorpirifos (µg/l) ^(C)	0.10	< 0.030	< 0.030	0	100%	---	---	---	---
Desetilterbutilazina (µg/l) ^(C)	0.10	< 0.030	< 0.030	0	100%	---	---	---	---
Dimetoato (µg/l) ^(C)	0.10	< 0.030	< 0.030	0	100%	---	---	---	---
Diurão (µg/l) ^(C)	0.10	< 0.030	< 0.030	0	100%	---	---	---	---
MCPA (µg/l) ^(C)	0.10	< 0.030	< 0.030	0	100%	---	---	---	---
Metalaxil (µg/l) ^(C)	0.10	< 0.030	< 0.030	0	100%	---	---	---	---
Metolaclo (µg/l) ^(C)	0.10	< 0.030	< 0.030	0	100%	---	---	---	---
Terbutilazina (µg/l) ^(C)	0.10	< 0.030	< 0.030	0	100%	---	---	---	---
Ometoato (µg/l) ^(C)	0.10	< 0.030	< 0.030	0	100%	---	---	---	---
Imidaclopride (µg/l) ^(C)	0.10	< 0.030	< 0.030	0	100%	---	---	---	---
Simazina (µg/l) ^(C)	0.10	< 0.030	< 0.030	0	100%	---	---	---	---
Desetilsimazina (µg/l) ^(C)	0.10	< 0.030	< 0.030	0	100%	---	---	---	---
Glifosato (µg/l) ^(C)	0.10	---	---	---	---	---	---	---	---
Metribuzina (µg/l) ^(C)	0.10	< 0.030	< 0.030	0	100%	---	---	---	---
Alfa total (Bq/l) ^(C)	0.1	< 0.04	< 0.04	0	100%	---	---	---	---
Dose indicativa (mSv) ^(C)	0.10	< 0.10	< 0.10	0	100%	---	---	---	---

^(C) O parâmetro (conservativo) é analisado pela entidade gestora em alta (Águas do Norte, S.A.).

Informação complementar relativa à averiguação das situações de incumprimento dos VP: Não foram registados incumprimentos dos VP neste trimestre para esta Zona de Abastecimento.

Responsável: Daniel Cardoso

Data da publicação:

[Assinatura] 23.05.2023



Dados do Controlo da Qualidade da Água para Consumo Humano no Concelho de Marco de Canaveses

1º TRIMESTRE

Em conformidade com o Decreto-Lei n.º 152/2017, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR)

2023

Zona de Abastecimento: Paços de Gaiolo

Parâmetro	Valor	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º de análises PCQA	N.º Análises no trimestre		% Análises Realizadas
	Paramétrico (VP)	Mínimo	Máximo				Previstas	Realizadas	
<i>Escherichia coli</i> (E. Coli) (UFC/100 ml)	0	0	0	0	100%	6	2	2	100%
Bactérias coliformes (UFC/100 ml)	0	0	0	0	100%	6	2	2	100%
Desinfetante residual (mg/l)	---	0.34	0.48	---	---	6	2	2	100%
Cheiro a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	2	1	1	100%
Sabor a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	2	1	1	100%
pH (Unidades pH) ⁽¹⁾	≥6,5 e ≤9,5	5.8	5.8	1	0%	2	1	1	100%
Condutividade a 20 °C (µS/cm)	2500	< 44.6	< 44.6	0	100%	2	1	1	100%
Cor (mg/l PtCo)	20	< 3.0	< 3.0	0	100%	2	1	1	100%
Turvação (NTU)	4	< 1.0	< 1.0	0	100%	2	1	1	100%
Enterococos (UFC/100 ml)	0	0	0	0	100%	2	1	1	100%
Número de colónias a 22 °C (N/ml)	---	38	38	---	---	2	1	1	100%
Número de colónias a 37 °C (N/ml)	---	28	28	---	---	2	1	1	100%
<i>Clostridium perfringens</i> (N/100 ml)	0	0	0	0	100%	1	1	1	100%
Alumínio (µg/L Al)	200	< 20.0	< 20.0	0	100%	1	1	1	100%
Amónio (mg/l NH ₄)	0.50	< 0.05	< 0.05	0	100%	1	1	1	100%
Antimónio (µg/l Sb)	5.0	< 1.0	< 1.0	0	100%	1	1	1	100%
Arsénio (µg/l As)	10	1.9	1.9	0	100%	1	1	1	100%
Benzeno (µg/l)	1.0	< 0.20	< 0.20	0	100%	1	1	1	100%
Benzo(a)pireno (µg/l)	0.010	< 0.0030	< 0.0030	0	100%	1	1	1	100%
Boro (mg/l B)	1.0	< 0.010	< 0.010	0	100%	1	1	1	100%
Bromatos (µg/l BrO ₃)	10	< 5.0	< 5.0	0	100%	1	1	1	100%
Cádmio (µg/l Cd)	5.0	< 0.10	< 0.10	0	100%	1	1	1	100%
Cálcio (mg/l Ca)	---	1.6	1.6	---	---	1	1	1	100%
Cianetos (µg/l CN)	50	< 10	< 10	0	100%	1	1	1	100%
Cloretos (mg/l Cl)	250	< 10.0	< 10.0	0	100%	1	1	1	100%
Chumbo (µg/l Pb)	10	< 1.0	< 1.0	0	100%	1	1	1	100%
Cobre (mg/l Cu)	2.0	0.0062	0.0062	0	100%	1	1	1	100%
Crómio (µg/l Cr)	50	< 1.0	< 1.0	0	100%	1	1	1	100%
1,2 - dicloroetano (µg/l)	3.0	< 0.750	< 0.750	0	100%	1	1	1	100%
Dureza total (mg/l CaCO ₃)	---	5.3	5.3	---	---	1	1	1	100%
Ferro (µg/l Fe)	200	< 60	< 60	0	100%	1	1	1	100%
Fluoretos (mg/l F)	1.5	< 0.20	< 0.20	0	100%	1	1	1	100%
Hydrocarbonetos Aromáticos Policíclicos (HAP) (µg/l)	0.10	< 0.0200	< 0.0200	0	100%	1	1	1	100%
Benzo(b)fluoranteno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Benzo(k)fluoranteno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Benzo(ghi)perileno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Indeno(1,2,3-cd)pireno (µg/l)	---	< 0.0200	< 0.0200	---	---	1	1	1	100%
Magnésio (mg/l Mg)	---	0.4	0.4	---	---	1	1	1	100%
Manganês (µg/l Mn)	50	3.63	3.63	0	100%	1	1	1	100%
Nitratos (mg/l NO ₃)	50	1.3	1.3	0	100%	1	1	1	100%
Nitritos (mg/l NO ₂)	0.50	< 0.10	< 0.10	0	100%	1	1	1	100%
Mercurio (µg/l Hg)	1.0	< 0.010	< 0.010	0	100%	1	1	1	100%
Níquel (µg/l Ni)	20	< 2.0	< 2.0	0	100%	1	1	1	100%
Oxidabilidade (mg/l O ₂)	5.0	< 1.0	< 1.0	0	100%	1	1	1	100%
Selénio (µg/l Se)	10	< 1.0	< 1.0	0	100%	1	1	1	100%
Sódio (mg/l Na)	200	4.81	4.81	0	100%	1	1	1	100%
Sulfatos (mg/l SO ₄)	250	< 10.0	< 10.0	0	100%	1	1	1	100%
Tetracloroetano e Tricloroetano (µg/l)	10	< 0.30	< 0.30	0	100%	1	1	1	100%
Tetracloroetano (µg/l)	---	< 0.20	< 0.20	---	---	1	1	1	100%
Tricloroetano (µg/l)	---	< 0.10	< 0.10	---	---	1	1	1	100%
Trihalometanos - total (THM) (µg/l)	100	2.68	2.68	0	100%	1	1	1	100%
Clorofórmio (µg/l)	---	0.62	0.62	---	---	1	1	1	100%
Bromofórmio (µg/l)	---	0.28	0.28	---	---	1	1	1	100%
Bromodichlorometano (µg/l)	---	0.88	0.88	---	---	1	1	1	100%
Dibromoclorometano (µg/l)	---	0.90	0.90	---	---	1	1	1	100%
Pesticidas - total (µg/l)	0.50	---	---	---	---	1	0	0	---
Bentazona (µg/l)	0.10	---	---	---	---	1	0	0	---
Clorpirifos (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilterbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Diurão (µg/l)	0.10	---	---	---	---	1	0	0	---
MCPA (µg/l)	0.10	---	---	---	---	1	0	0	---
Metolacoloro (µg/l)	0.10	---	---	---	---	1	0	0	---
Terbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Ometoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Imidaclopride (µg/l)	0.10	---	---	---	---	1	0	0	---
Simazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilsimazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Metribuzina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetenamida-P (µg/l)	0.10	---	---	---	---	1	0	0	---
Alfa total (Bq/l)	0.1	< 0.04	< 0.04	0	100%	1	1	1	100%
Dose indicativa (mSv)	0.10	< 0.1	< 0.1	0	100%	1	1	1	100%
Radão (Bq/l)	500	47.6	47.6	0	100%	1	1	1	100%

Informação complementar relativa à averiguação das situações de incumprimento dos VP: ⁽¹⁾ pH: Incumprimento devido às características naturais (hidrogeológicas) da origem de água. Não foram tomadas medidas mas existe já um plano de trabalhos com vista à sua correcção.

Responsável: Daniel Cardoso

Data da publicação:

23.05.2023



Dados do Controlo da Qualidade da Água para Consumo Humano no Concelho de Marco de Canaveses

1º TRIMESTRE

Em conformidade com o Decreto-Lei n.º 152/2017, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR)

2023

Zona de Abastecimento: Piores

Parâmetro	Valor Paramétrico (VP)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º de análises PCQA	N.º Análises no trimestre		% Análises Realizadas
		Mínimo	Máximo				Previstas	Realizadas	
<i>Escherichia coli</i> (<i>E. Coli</i>) (UFC/100 ml)	0	0	0	0	100%	6	1	1	100%
Bactérias coliformes (UFC/100 ml)	0	0	0	0	100%	6	1	1	100%
Desinfetante residual (mg/l)	---	0.63	0.63	---	---	6	1	1	100%
Alumínio (µg/L Al)	200	---	---	---	---	2	0	0	---
Cheiro a 25 °C (Fator de diluição)	3	---	---	---	---	2	0	0	---
Sabor a 25 °C (Fator de diluição)	3	---	---	---	---	2	0	0	---
pH (Unidades pH)	≥6,5 e ≤9,5	---	---	---	---	2	0	0	---
Condutividade a 20 °C (µS/cm)	2500	---	---	---	---	2	0	0	---
Cor (mg/l PtCo)	20	---	---	---	---	2	0	0	---
Turvação (NTU)	4	---	---	---	---	2	0	0	---
Enterococos (UFC/100 ml)	0	---	---	---	---	2	0	0	---
Número de colónias a 22 °C (N/ml)	---	---	---	---	---	2	0	0	---
Número de colónias a 37 °C (N/ml)	---	---	---	---	---	2	0	0	---
Arsénio (µg/l As)	10	---	---	---	---	2	0	0	---
<i>Clostridium perfringens</i> (N/100 ml)	0	---	---	---	---	1	0	0	---
Amónio (mg/l NH ₄)	0.50	---	---	---	---	1	0	0	---
Antimónio (µg/l Sb)	5.0	---	---	---	---	1	0	0	---
Benzeno (µg/l)	1.0	---	---	---	---	1	0	0	---
Benzo(a)pireno (µg/l)	0.010	---	---	---	---	1	0	0	---
Boro (mg/l B)	1.0	---	---	---	---	1	0	0	---
Bromatos (µg/l BrO ₃)	10	---	---	---	---	1	0	0	---
Cádmio (µg/l Cd)	5.0	---	---	---	---	1	0	0	---
Cálcio (mg/l Ca)	---	---	---	---	---	1	0	0	---
Cianetos (µg/l CN)	50	---	---	---	---	1	0	0	---
Cloretos (mg/l Cl)	250	---	---	---	---	1	0	0	---
Chumbo (µg/l Pb)	10	---	---	---	---	1	0	0	---
Cobre (mg/l Cu)	2.0	---	---	---	---	1	0	0	---
Crómio (µg/l Cr)	50	---	---	---	---	1	0	0	---
1,2 - dicloroetano (µg/l)	3.0	---	---	---	---	1	0	0	---
Dureza total (mg/l CaCO ₃)	---	---	---	---	---	1	0	0	---
Ferro (µg/l Fe)	200	---	---	---	---	1	0	0	---
Fluoretos (mg/l F)	1.5	---	---	---	---	1	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (HAP) (µg/l)	0.10	---	---	---	---	1	0	0	---
Benzo(b)fluoranteno (µg/l)	---	---	---	---	---	1	0	0	---
Benzo(k)fluoranteno (µg/l)	---	---	---	---	---	1	0	0	---
Benzo(ghi)perileno (µg/l)	---	---	---	---	---	1	0	0	---
Indeno(1,2,3-cd)pireno (µg/l)	---	---	---	---	---	1	0	0	---
Magnésio (mg/l Mg)	---	---	---	---	---	1	0	0	---
Manganês (µg/l Mn)	50	---	---	---	---	1	0	0	---
Nitratos (mg/l NO ₃)	50	---	---	---	---	1	0	0	---
Nitritos (mg/l NO ₂)	0.50	---	---	---	---	1	0	0	---
Mercurio (µg/l Hg)	1.0	---	---	---	---	1	0	0	---
Níquel (µg/l Ni)	20	---	---	---	---	1	0	0	---
Oxidabilidade (mg/l O ₂)	5.0	---	---	---	---	1	0	0	---
Selénio (µg/l Se)	10	---	---	---	---	1	0	0	---
Sódio (mg/l Na)	200	---	---	---	---	1	0	0	---
Sulfatos (mg/l SO ₄)	250	---	---	---	---	1	0	0	---
Tetracloroetano e Tricloroetano (µg/l)	10	---	---	---	---	1	0	0	---
Tetracloroetano (µg/l)	---	---	---	---	---	1	0	0	---
Tricloroetano (µg/l)	---	---	---	---	---	1	0	0	---
Trihalometanos - total (THM) (µg/l)	100	---	---	---	---	1	0	0	---
Clorofórmio (µg/l)	---	---	---	---	---	1	0	0	---
Bromofórmio (µg/l)	---	---	---	---	---	1	0	0	---
Bromodichlorometano (µg/l)	---	---	---	---	---	1	0	0	---
Dibromoclorometano (µg/l)	---	---	---	---	---	1	0	0	---
Pesticidas - total (µg/l)	0.50	---	---	---	---	1	0	0	---
Bentazona (µg/l)	0.10	---	---	---	---	1	0	0	---
Clorpirifos (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilterbutilazina (µg/L)	0.10	---	---	---	---	1	0	0	---
Dimetoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Diurão (µg/L)	0.10	---	---	---	---	1	0	0	---
MCPA (µg/l)	0.10	---	---	---	---	1	0	0	---
Metolaclo (µg/l)	0.10	---	---	---	---	1	0	0	---
Terbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Omtoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Imidaclopride (µg/l)	0.10	---	---	---	---	1	0	0	---
Simazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilsimazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Metribuzina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetenamida-P (µg/l)	0.10	---	---	---	---	1	0	0	---
Alfa total (Bq/l)	0.1	---	---	---	---	1	0	0	---
Dose Indicativa (mSv)	0.10	---	---	---	---	1	0	0	---
Radão (Bq/l)	500	---	---	---	---	1	0	0	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP: Não foram registados incumprimentos dos VP neste trimestre para esta Zona de Abastecimento.

Responsável: Daniel Cardoso

Data da publicação:

DTC 23.05.2023



Dados do Controlo da Qualidade da Água para Consumo Humano no Concelho de Marco de Canaveses

1º TRIMESTRE

Em conformidade com o Decreto-Lei n.º 152/2017, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR)

2023

Zona de Abastecimento: S. Salvador

Parâmetro	Valor Paramétrico (VP)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º de análises PCQA	N.º Análises no trimestre		% Análises Realizadas
		Mínimo	Máximo				Previstas	Realizadas	
<i>Escherichia coli</i> (<i>E. Coli</i>) (UFC/100 ml)	0	0	0	0	100%	6	1	1	100%
Bactérias coliformes (UFC/100 ml)	0	0	0	0	100%	6	1	1	100%
Desinfetante residual (mg/l)	---	0.49	0.49	---	---	6	1	1	100%
Alumínio (µg/L Al)	200	---	---	---	---	2	0	0	---
Cheiro a 25 °C (Fator de diluição)	3	---	---	---	---	2	0	0	---
Sabor a 25 °C (Fator de diluição)	3	---	---	---	---	2	0	0	---
pH (Unidades pH)	≥6,5 e ≤9,5	---	---	---	---	2	0	0	---
Condutividade a 20 °C (µS/cm)	2500	---	---	---	---	2	0	0	---
Cor (mg/l PtCo)	20	---	---	---	---	2	0	0	---
Turvação (NTU)	4	---	---	---	---	2	0	0	---
Enterococos (UFC/100 ml)	0	---	---	---	---	2	0	0	---
Número de colónias a 22 °C (N/ml)	---	---	---	---	---	2	0	0	---
Número de colónias a 36 °C (N/ml)	---	---	---	---	---	2	0	0	---
Alfa total (Bq/l)	0.1	---	---	---	---	2	0	0	---
Dose indicativa (mSv)	0.10	---	---	---	---	2	0	0	---
Radão (Bq/l)	500	---	---	---	---	2	0	0	---
Urânio 234 (Bq/l)	---	---	---	---	---	2	0	0	---
Urânio 238 (Bq/l)	---	---	---	---	---	2	0	0	---
Rádio 226 (Bq/l)	---	---	---	---	---	2	0	0	---
Polónio 210 (Bq/l)	---	---	---	---	---	2	0	0	---
<i>Clostridium perfringens</i> (N/100 ml)	0	---	---	---	---	1	0	0	---
Amónio (mg/l NH ₄)	0.50	---	---	---	---	1	0	0	---
Antimónio (µg/l Sb)	5.0	---	---	---	---	1	0	0	---
Arsénio (µg/l As)	10	---	---	---	---	1	0	0	---
Benzeno (µg/l)	1.0	---	---	---	---	1	0	0	---
Benzo(a)pireno (µg/l)	0.010	---	---	---	---	1	0	0	---
Boro (mg/l B)	1.0	---	---	---	---	1	0	0	---
Bromatos (µg/l BrO ₃)	10	---	---	---	---	1	0	0	---
Cádmio (µg/l Cd)	5.0	---	---	---	---	1	0	0	---
Cálcio (mg/l Ca)	---	---	---	---	---	1	0	0	---
Cianetos (µg/l CN)	50	---	---	---	---	1	0	0	---
Cloretos (mg/l Cl)	250	---	---	---	---	1	0	0	---
Chumbo (µg/l Pb)	10	---	---	---	---	1	0	0	---
Cobre (mg/l Cu)	2.0	---	---	---	---	1	0	0	---
Crómio (µg/l Cr)	50	---	---	---	---	1	0	0	---
1,2 - dicloroetano (µg/l)	3.0	---	---	---	---	1	0	0	---
Dureza total (mg/l CaCO ₃)	---	---	---	---	---	1	0	0	---
Ferro (µg/l Fe)	200	---	---	---	---	1	0	0	---
Fluoretos (mg/l F)	1.5	---	---	---	---	1	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (HAP) (µg/l)	0.10	---	---	---	---	1	0	0	---
Benzo(b)fluoranteno (µg/l)	---	---	---	---	---	1	0	0	---
Benzo(k)fluoranteno (µg/l)	---	---	---	---	---	1	0	0	---
Benzo(ghi)perileno (µg/l)	---	---	---	---	---	1	0	0	---
Indeno(1,2,3-cd)pireno (µg/l)	---	---	---	---	---	1	0	0	---
Magnésio (mg/l Mg)	---	---	---	---	---	1	0	0	---
Manganês (µg/l Mn)	50	---	---	---	---	1	0	0	---
Nitratos (mg/l NO ₃)	50	---	---	---	---	1	0	0	---
Nitritos (mg/l NO ₂)	0.50	---	---	---	---	1	0	0	---
Mercúrio (µg/l Hg)	1.0	---	---	---	---	1	0	0	---
Níquel (µg/l Ni)	20	---	---	---	---	1	0	0	---
Oxidabilidade (mg/l O ₂)	5.0	---	---	---	---	1	0	0	---
Selénio (µg/l Se)	10	---	---	---	---	1	0	0	---
Sódio (mg/l Na)	200	---	---	---	---	1	0	0	---
Sulfatos (mg/l SO ₄)	250	---	---	---	---	1	0	0	---
Tetracloroetano e Tricloroetano (µg/l)	10	---	---	---	---	1	0	0	---
Tetracloroetano (µg/l)	---	---	---	---	---	1	0	0	---
Tricloroetano (µg/l)	---	---	---	---	---	1	0	0	---
Trihalometanos - total (THM) (µg/l)	100	---	---	---	---	1	0	0	---
Clorofórmio (µg/l)	---	---	---	---	---	1	0	0	---
Bromofórmio (µg/l)	---	---	---	---	---	1	0	0	---
Bromodichlorometano (µg/l)	---	---	---	---	---	1	0	0	---
Dibromoclorometano (µg/l)	---	---	---	---	---	1	0	0	---
Pesticidas - total (µg/l)	0.50	---	---	---	---	1	0	0	---
Bentazona (µg/l)	0.10	---	---	---	---	1	0	0	---
Clorpirifos (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Diurão (µg/l)	0.10	---	---	---	---	1	0	0	---
MCPA (µg/l)	0.10	---	---	---	---	1	0	0	---
Metoladolor (µg/l)	0.10	---	---	---	---	1	0	0	---
Terbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Ometoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Imidaclopride (µg/l)	0.10	---	---	---	---	1	0	0	---
Simazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilsimazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Metribuzina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetenamida-P (µg/l)	0.10	---	---	---	---	1	0	0	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP: Não foram registados incumprimentos dos VP neste trimestre para esta Zona de Abastecimento.

Responsável: Daniel Cardoso

Data da publicação:

23-05-2023



Dados do Controlo da Qualidade da Água para Consumo Humano no Concelho de Marco de Canaveses

1º TRIMESTRE

Em conformidade com o Decreto-Lei n.º 152/2017, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR)

2023

Zona de Abastecimento: Sande e Penhalonga

Parâmetro	Valor Paramétrico (VP)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	Nº de análises PCQA	N.º Análises no trimestre		% Análises Realizadas
		Mínimo	Máximo				Previstas	Realizadas	
<i>Escherichia coli</i> (<i>E. Coli</i>) (UFC/100 ml)	0	0	0	0	100%	12	3	3	100%
Bactérias coliformes (UFC/100 ml)	0	0	0	0	100%	12	3	3	100%
Desinfetante residual (mg/l)	---	0.48	0.94	---	---	12	3	3	100%
Cheiro a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	4	1	1	100%
Sabor a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	4	1	1	100%
pH (Unidades pH) ⁽¹⁾	≥6,5 e ≤9,5	6.4	6.4	0	100%	4	1	1	100%
Condutividade a 20 °C (µS/cm)	2500	60.4	60.4	0	100%	4	1	1	100%
Cor (mg/l PtCo)	20	< 3.0	< 3.0	0	100%	4	1	1	100%
Turvação (NTU)	4	< 1.0	< 1.0	0	100%	4	1	1	100%
Enterococos (UFC/100 ml)	0	0	0	0	100%	4	1	1	100%
Número de colónias a 22 °C (N/ml)	---	0	0	---	---	4	1	1	100%
Número de colónias a 37 °C (N/ml)	---	0	0	---	---	4	1	1	100%
Arsénio (µg/l As)	10	5.9	5.9	0	100%	4	1	1	100%
<i>Clostridium perfringens</i> (N/100 ml)	0	---	---	---	---	1	0	0	---
Alumínio (µg/l Al)	200	---	---	---	---	1	0	0	---
Amónio (mg/l NH ₄)	0.50	---	---	---	---	1	0	0	---
Antimónio (µg/l Sb)	5.0	---	---	---	---	1	0	0	---
Benzeno (µg/l)	1.0	---	---	---	---	1	0	0	---
Benzo(a)pireno (µg/l)	0.010	---	---	---	---	1	0	0	---
Boro (mg/l B)	1.0	---	---	---	---	1	0	0	---
Bromatos (µg/l BrO ₃)	10	---	---	---	---	1	0	0	---
Cádmio (µg/l Cd)	5.0	---	---	---	---	1	0	0	---
Cálcio (mg/l Ca)	---	---	---	---	---	1	0	0	---
Cianetos (µg/l CN)	50	---	---	---	---	1	0	0	---
Cloretos (mg/l Cl)	250	---	---	---	---	1	0	0	---
Chumbo (µg/l Pb)	10	---	---	---	---	1	0	0	---
Cobre (mg/l Cu)	2	---	---	---	---	1	0	0	---
Crómio (µg/l Cr)	50	---	---	---	---	1	0	0	---
1,2 - dicloroetano (µg/l)	3.0	---	---	---	---	1	0	0	---
Dureza total (mg/l CaCO ₃)	---	---	---	---	---	1	0	0	---
Ferro (µg/l Fe)	200	---	---	---	---	1	0	0	---
Fluoretos (mg/l F)	1.5	---	---	---	---	1	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (HAP) (µg/l)	0.10	---	---	---	---	1	0	0	---
Benzo(b)fluoranteno (µg/l)	---	---	---	---	---	1	0	0	---
Benzo(k)fluoranteno (µg/l)	---	---	---	---	---	1	0	0	---
Benzo(ghi)perileno (µg/l)	---	---	---	---	---	1	0	0	---
Indeno(1,2,3-cd)pireno (µg/l)	---	---	---	---	---	1	0	0	---
Magnésio (mg/l Mg)	---	---	---	---	---	1	0	0	---
Manganês (µg/l Mn)	50	---	---	---	---	1	0	0	---
Nitratos (mg/l NO ₃)	50	---	---	---	---	1	0	0	---
Nitritos (mg/l NO ₂)	0.50	---	---	---	---	1	0	0	---
Mercurio (µg/l Hg)	1.0	---	---	---	---	1	0	0	---
Níquel (µg/l Ni)	20	---	---	---	---	1	0	0	---
Oxidabilidade (mg/l O ₂)	5.0	---	---	---	---	1	0	0	---
Selénio (µg/l Se)	10	---	---	---	---	1	0	0	---
Sódio (mg/l Na)	200	---	---	---	---	1	0	0	---
Sulfatos (mg/l SO ₄)	250	---	---	---	---	1	0	0	---
Tetracloroetano e Tricloroetano (µg/l)	10	---	---	---	---	1	0	0	---
Tetracloroetano (µg/l)	---	---	---	---	---	1	0	0	---
Tricloroetano (µg/l)	---	---	---	---	---	1	0	0	---
Trihalometanos - total (THM) (µg/l)	100	---	---	---	---	1	0	0	---
Clorofórmio (µg/l)	---	---	---	---	---	1	0	0	---
Bromofórmio (µg/l)	---	---	---	---	---	1	0	0	---
Bromodiclorometano (µg/l)	---	---	---	---	---	1	0	0	---
Dibromoclorometano (µg/l)	---	---	---	---	---	1	0	0	---
Pesticidas - total (µg/l)	0.50	---	---	---	---	1	0	0	---
Bentazona (µg/l)	0.10	---	---	---	---	1	0	0	---
Clorpirifos (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilterbutilazina (µg/L)	0.10	---	---	---	---	1	0	0	---
Dimetoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Diurão (µg/L)	0.10	---	---	---	---	1	0	0	---
MCPA (µg/l)	0.10	---	---	---	---	1	0	0	---
Metolacloro (µg/l)	0.10	---	---	---	---	1	0	0	---
Terbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Ometoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Imidaclopride (µg/l)	0.10	---	---	---	---	1	0	0	---
Simazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilsimazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Metribuzina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetenamida-P (µg/l)	0.10	---	---	---	---	1	0	0	---
Alfa total (Bq/l)	0.1	---	---	---	---	1	0	0	---
Dose indicativa (mSv)	0.10	---	---	---	---	1	0	0	---
Radão (Bq/l)	500	---	---	---	---	1	0	0	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP: ⁽¹⁾pH: Incumprimento devido às características naturais (hidrogeológicas) da origem de água. Não foram tomadas medidas mas existe já um plano de trabalhos com vista à sua correção.

Responsável: Daniel Cardoso

Data da publicação:  23.05.2023



Dados do Controlo da Qualidade da Água para Consumo Humano no Concelho de Marco de Canaveses

1º TRIMESTRE

Em conformidade com o Decreto-Lei n.º 152/2017, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR)

2023

Zona de Abastecimento: Soalhões

Parâmetro	Valor Paramétrico (VP)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º de análises PCQA	N.º Análises no trimestre		% Análises Realizadas
		Mínimo	Máximo				Previstas	Realizadas	
<i>Escherichia coli</i> (<i>E. Coli</i>) (UFC/100 ml)	0	0	0	0	100%	12	3	3	100%
Bactérias coliformes (UFC/100 ml)	0	0	0	0	100%	12	3	3	100%
Desinfetante residual (mg/l)	---	0.59	1.1	---	---	12	3	3	100%
Cheiro a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	4	1	1	100%
Sabor a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	4	1	1	100%
pH (Unidades pH) ⁽¹⁾	≥6,5 e ≤9,5	6.0	6.0	1	0%	4	1	1	100%
Condutividade a 20 °C (µS/cm)	2500	54.2	54.2	0	100%	4	1	1	100%
Cor (mg/l PtCo)	20	< 3.0	< 3.0	0	100%	4	1	1	100%
Turvação (NTU)	4	< 1.0	< 1.0	0	100%	4	1	1	100%
Enterococos (UFC/100 ml)	0	0	0	0	100%	4	1	1	100%
Número de colónias a 22 °C (N/ml)	---	0	0	---	---	4	1	1	100%
Número de colónias a 37 °C (N/ml)	---	0	0	---	---	4	1	1	100%
<i>Clostridium perfringens</i> (N/100 ml)	0	---	---	---	---	1	0	0	---
Alumínio (µg/L Al)	200	---	---	---	---	1	0	0	---
Amónio (mg/l NH ₄)	0.50	---	---	---	---	1	0	0	---
Antimónio (µg/l Sb)	5.0	---	---	---	---	1	0	0	---
Arsénio (µg/l As)	10	---	---	---	---	1	0	0	---
Benzeno (µg/l)	1.0	---	---	---	---	1	0	0	---
Benzo(a)pireno (µg/l)	0.010	---	---	---	---	1	0	0	---
Boro (mg/l B)	1.0	---	---	---	---	1	0	0	---
Bromatos (µg/l BrO ₃)	10	---	---	---	---	1	0	0	---
Cádmio (µg/l Cd)	5.0	---	---	---	---	1	0	0	---
Cálcio (mg/l Ca)	---	---	---	---	---	1	0	0	---
Cianetos (µg/l CN)	50	---	---	---	---	1	0	0	---
Cloretos (mg/l Cl)	250	---	---	---	---	1	0	0	---
Chumbo (µg/l Pb)	10	---	---	---	---	1	0	0	---
Cobre (mg/l Cu)	2.0	---	---	---	---	1	0	0	---
Crómio (µg/l Cr)	50	---	---	---	---	1	0	0	---
1,2 - dicloroetano (µg/l)	3.0	---	---	---	---	1	0	0	---
Dureza total (mg/l CaCO ₃)	---	---	---	---	---	1	0	0	---
Ferro (µg/l Fe)	200	---	---	---	---	1	0	0	---
Fluoretos (mg/l F)	1.5	---	---	---	---	1	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (HAP) (µg/l)	0.10	---	---	---	---	1	0	0	---
Benzo(b)fluoranteno (µg/l)	---	---	---	---	---	1	0	0	---
Benzo(k)fluoranteno (µg/l)	---	---	---	---	---	1	0	0	---
Benzo(ghi)perileno (µg/l)	---	---	---	---	---	1	0	0	---
Indeno(1,2,3-cd)pireno (µg/l)	---	---	---	---	---	1	0	0	---
Magnésio (mg/l Mg)	---	---	---	---	---	1	0	0	---
Manganês (µg/l Mn)	50	---	---	---	---	1	0	0	---
Nitratos (mg/l NO ₃)	50	---	---	---	---	1	0	0	---
Nitritos (mg/l NO ₂)	0.50	---	---	---	---	1	0	0	---
Merúrio (µg/l Hg)	1.0	---	---	---	---	1	0	0	---
Níquel (µg/l Ni)	20	---	---	---	---	1	0	0	---
Oxidabilidade (mg/l O ₂)	5.0	---	---	---	---	1	0	0	---
Selénio (µg/l Se)	10	---	---	---	---	1	0	0	---
Sódio (mg/l Na)	200	---	---	---	---	1	0	0	---
Sulfatos (mg/l SO ₄)	250	---	---	---	---	1	0	0	---
Tetracloroetano e Tricloroetano (µg/l)	10	---	---	---	---	1	0	0	---
Tetracloroetano (µg/l)	---	---	---	---	---	1	0	0	---
Tricloroetano (µg/l)	---	---	---	---	---	1	0	0	---
Trihalometanos - total (THM) (µg/l)	100	---	---	---	---	1	0	0	---
Clorofórmio (µg/l)	---	---	---	---	---	1	0	0	---
Bromofórmio (µg/l)	---	---	---	---	---	1	0	0	---
Bromodiclorometano (µg/l)	---	---	---	---	---	1	0	0	---
Dibromoclorometano (µg/l)	---	---	---	---	---	1	0	0	---
Pesticidas - total (µg/l)	0.50	---	---	---	---	1	0	0	---
Bentazona (µg/l)	0.10	---	---	---	---	1	0	0	---
Clorpirifos (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilertbutilazina (µg/L)	0.10	---	---	---	---	1	0	0	---
Dimetoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Diurão (µg/L)	0.10	---	---	---	---	1	0	0	---
MCPA (µg/l)	0.10	---	---	---	---	1	0	0	---
Metolaclo (µg/l)	0.10	---	---	---	---	1	0	0	---
Terbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Ometoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Imidaclopride (µg/l)	0.10	---	---	---	---	1	0	0	---
Simazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilsimazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Metribuzina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetenamida-P (µg/l)	0.10	---	---	---	---	1	0	0	---
Alfa total (Bq/l)	0.1	---	---	---	---	1	0	0	---
Dose indicativa (mSv)	0.10	---	---	---	---	1	0	0	---
Radão (Bq/l)	500	---	---	---	---	1	0	0	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP: ⁽¹⁾ pH: Incumprimento devido às características naturais (hidrogeológicas) da origem de água. Medida corretiva: Instalação de sistema de tratamento (enchimento dos leitos de contacto da Caixa de Chegada do Lodeiro com material alcalino - rocha calcária). Análise de verificação: pH = 7.0 Unidades de pH

Responsável: Daniel Cardoso

Data da publicação:

 23.05.2023



Dados do Controlo da Qualidade da Água para Consumo Humano no Concelho de Marco de Canaveses

1º TRIMESTRE

Em conformidade com o Decreto-Lei n.º 152/2017, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR)

2023

Zona de Abastecimento: Tâmega

Parâmetro	Valor Paramétrico (VP)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º de análises PCQA	N.º Análises no trimestre		% Análises Realizadas
		Mínimo	Máximo				Previstas	Realizadas	
<i>Escherichia coli</i> (<i>E. Coli</i>) (UFC/100 ml)	0	0	0	0	100%	48	12	12	100%
Bactérias coliformes (UFC/100 ml)	0	0	0	0	100%	48	12	12	100%
Desinfetante residual (mg/l)	---	< 0.16	1.1	---	---	48	12	12	100%
Alumínio (µg/L Al)	200	< 20.0	53.9	0	100%	13	4	4	100%
Cheiro a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	13	4	4	100%
Sabor a 25 °C (Fator de diluição)	3	< 1	< 1	0	100%	13	4	4	100%
pH (Unidades pH)	≥6,5 e ≤9,5	6.8	7.2	0	100%	13	4	4	100%
Condutividade a 20 °C (µS/cm)	2500	102	133	0	100%	13	4	4	100%
Cor (mg/l PtCo)	20	< 3.0	7.6	0	100%	13	4	4	100%
Turvação (NTU)	4	< 1.0	< 1.0	0	100%	13	4	4	100%
Enterococos (UFC/100 ml)	0	0	0	0	100%	13	4	4	100%
Número de colónias a 22 °C (N/ml)	---	0	> 300	---	---	13	4	4	100%
Número de colónias a 37 °C (N/ml)	---	0	> 300	---	---	13	4	4	100%
<i>Clostridium perfringens</i> (N/100 ml)	0	0	0	0	100%	13	4	4	100%
Amónio (mg/l NH ₄)	0.50	---	---	---	---	2	0	0	---
Antimónio (µg/l Sb)	5.0	---	---	---	---	2	0	0	---
Arsénio (µg/l As)	10	---	---	---	---	2	0	0	---
Benzeno (µg/l)	1.0	---	---	---	---	2	0	0	---
Benzo(a)pireno (µg/l)	0.010	---	---	---	---	2	0	0	---
Boro (mg/l B)	1.0	---	---	---	---	2	0	0	---
Bromatos (µg/l BrO ₃)	10	---	---	---	---	2	0	0	---
Cádmio (µg/l Cd)	5.0	---	---	---	---	2	0	0	---
Cálcio (mg/l Ca)	---	---	---	---	---	2	0	0	---
Cianetos (µg/l CN)	50	---	---	---	---	2	0	0	---
Cloretos (mg/l Cl)	250	---	---	---	---	2	0	0	---
Cloritos (mg/l ClO ₂)	0.7	---	---	---	---	2	0	0	---
Cloratos (mg/l ClO ₃)	0.7	---	---	---	---	2	0	0	---
Chumbo (µg/l Pb)	10	---	---	---	---	2	0	0	---
Cobre (mg/l Cu)	2.0	---	---	---	---	2	0	0	---
Crómio (µg/l Cr)	50	---	---	---	---	2	0	0	---
1,2 - dicloroetano (µg/l)	3.0	---	---	---	---	2	0	0	---
Dureza total (mg/l CaCO ₃)	---	---	---	---	---	2	0	0	---
Ferro (µg/l Fe)	200	---	---	---	---	2	0	0	---
Fluoretos (mg/l F)	1.5	---	---	---	---	2	0	0	---
Hydrocarbonetos Aromáticos Policíclicos (HAP) (µg/l)	0.10	---	---	---	---	2	0	0	---
Benzo(b)fluoranteno (µg/l)	---	---	---	---	---	2	0	0	---
Benzo(k)fluoranteno (µg/l)	---	---	---	---	---	2	0	0	---
Benzo(ghi)perileno (µg/l)	---	---	---	---	---	2	0	0	---
Indeno(1,2,3-cd)pireno (µg/l)	---	---	---	---	---	2	0	0	---
Magnésio (mg/l Mg)	---	---	---	---	---	2	0	0	---
Manganês (µg/l Mn)	50	---	---	---	---	2	0	0	---
Nitratos (mg/l NO ₃)	50	---	---	---	---	2	0	0	---
Nitritos (mg/l NO ₂)	0.50	---	---	---	---	2	0	0	---
Mercurio (µg/l Hg)	1.0	---	---	---	---	2	0	0	---
Níquel (µg/l Ni)	20	---	---	---	---	2	0	0	---
Oxidabilidade (mg/l O ₂)	5.0	---	---	---	---	2	0	0	---
Selénio (µg/l Se)	10	---	---	---	---	2	0	0	---
Sódio (mg/l Na)	200	---	---	---	---	2	0	0	---
Sulfatos (mg/l SO ₄)	250	---	---	---	---	2	0	0	---
Tetracloroetano e Tricloroetano (µg/l)	10	---	---	---	---	2	0	0	---
Tetracloroetano (µg/l)	---	---	---	---	---	2	0	0	---
Tricloroetano (µg/l)	---	---	---	---	---	2	0	0	---
Trihalometanos - total (THM) (µg/l)	100	---	---	---	---	2	0	0	---
Clorofórmio (µg/l)	---	---	---	---	---	2	0	0	---
Bromofórmio (µg/l)	---	---	---	---	---	2	0	0	---
Bromodiclorometano (µg/l)	---	---	---	---	---	2	0	0	---
Dibromoclorometano (µg/l)	---	---	---	---	---	2	0	0	---
Pesticidas - total (µg/l)	0.50	---	---	---	---	2	0	0	---
Bentazona (µg/l)	0.10	---	---	---	---	2	0	0	---
Clorpirifos (µg/l)	0.10	---	---	---	---	2	0	0	---
Desetilterbutilazina (µg/l)	0.10	---	---	---	---	2	0	0	---
Dimetoato (µg/l)	0.10	---	---	---	---	2	0	0	---
Diurão (µg/l)	0.10	---	---	---	---	2	0	0	---
MCPA (µg/l)	0.10	---	---	---	---	2	0	0	---
Metolacloiro (µg/l)	0.10	---	---	---	---	2	0	0	---
Terbutilazina (µg/l)	0.10	---	---	---	---	2	0	0	---
Ometoato (µg/l)	0.10	---	---	---	---	2	0	0	---
Imidaclopride (µg/l)	0.10	---	---	---	---	2	0	0	---
Simazina (µg/l)	0.10	---	---	---	---	2	0	0	---
Desetilsimazina (µg/l)	0.10	---	---	---	---	2	0	0	---
Metribuzina (µg/l)	0.10	---	---	---	---	2	0	0	---
Dimetenamida-P (µg/l)	0.10	---	---	---	---	2	0	0	---
Alfa total (Bq/l)	0.1	---	---	---	---	2	0	0	---
Dose indicativa (mSv)	0.10	---	---	---	---	2	0	0	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP: Não foram registados incumprimentos dos VP neste trimestre para esta Zona de Abastecimento.

Responsável: Daniel Cardoso

Data da publicação:

 23-05-2023



Dados do Controlo da Qualidade da Água para Consumo Humano no Concelho de Marco de Canaveses

1º TRIMESTRE

Em conformidade com o Decreto-Lei n.º 152/2017, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR)

2023

Zona de Abastecimento: Feiteira

Parâmetro	Valor Paramétrico (VP)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	Nº de análises PCQA	N.º Análises no trimestre		% Análises Realizadas
		Mínimo	Máximo				Previstas	Realizadas	
<i>Escherichia coli</i> (<i>E. Coli</i>) (UFC/100 ml)	0	0	0	0	100%	6	1	1	100%
Bactérias coliformes (UFC/100 ml)	0	0	0	0	100%	6	1	1	100%
Desinfetante residual (mg/l)	---	1.0	1.0	---	---	6	1	1	100%
Cheiro a 25 °C (Fator de diluição)	3	---	---	---	---	2	0	0	---
Sabor a 25 °C (Fator de diluição)	3	---	---	---	---	2	0	0	---
pH (Unidades pH)	≥6,5 e ≤9,5	---	---	---	---	2	0	0	---
Condutividade a 20 °C (µS/cm)	2500	---	---	---	---	2	0	0	---
Cor (mg/l PtCo)	20	---	---	---	---	2	0	0	---
Turvação (NTU)	4	---	---	---	---	2	0	0	---
Enterococos (UFC/100 ml)	0	---	---	---	---	2	0	0	---
Número de colónias a 22 °C (N/ml)	---	---	---	---	---	2	0	0	---
Número de colónias a 37 °C (N/ml)	---	---	---	---	---	2	0	0	---
Manganês (µg/l Mn)	50	---	---	---	---	2	0	0	---
<i>Clostridium perfringens</i> (N/100 ml)	0	---	---	---	---	1	0	0	---
Alumínio (µg/L Al)	200	---	---	---	---	1	0	0	---
Amónio (mg/l NH ₄)	0.50	---	---	---	---	1	0	0	---
Antimónio (µg/l Sb)	5.0	---	---	---	---	1	0	0	---
Arsénio (µg/l As)	10	---	---	---	---	1	0	0	---
Benzeno (µg/l)	1.0	---	---	---	---	1	0	0	---
Benzo(a)pireno (µg/l)	0.010	---	---	---	---	1	0	0	---
Boro (mg/l B)	1.0	---	---	---	---	1	0	0	---
Bromatos (µg/l BrO ₃)	10	---	---	---	---	1	0	0	---
Cádmio (µg/l Cd)	5.0	---	---	---	---	1	0	0	---
Cálcio (mg/l Ca)	---	---	---	---	---	1	0	0	---
Cianetos (µg/l CN)	50	---	---	---	---	1	0	0	---
Cloretos (mg/l Cl)	250	---	---	---	---	1	0	0	---
Chumbo (µg/l Pb)	10	---	---	---	---	1	0	0	---
Cobre (mg/l Cu)	2.0	---	---	---	---	1	0	0	---
Crómio (µg/l Cr)	50	---	---	---	---	1	0	0	---
1,2 - dicloroetano (µg/l)	3.0	---	---	---	---	1	0	0	---
Dureza total (mg/l CaCO ₃)	---	---	---	---	---	1	0	0	---
Ferro (µg/l Fe)	200	---	---	---	---	1	0	0	---
Fluoretos (mg/l F)	1.5	---	---	---	---	1	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (HAP) (µg/l)	0.10	---	---	---	---	1	0	0	---
Benzo(b)fluoranteno (µg/l)	---	---	---	---	---	1	0	0	---
Benzo(k)fluoranteno (µg/l)	---	---	---	---	---	1	0	0	---
Benzo(ghi)perileno (µg/l)	---	---	---	---	---	1	0	0	---
Indeno(1,2,3-cd)pireno (µg/l)	---	---	---	---	---	1	0	0	---
Magnésio (mg/l Mg)	---	---	---	---	---	1	0	0	---
Nitratos (mg/l NO ₃)	50	---	---	---	---	1	0	0	---
Nitritos (mg/l NO ₂)	0.50	---	---	---	---	1	0	0	---
Mercurio (µg/l Hg)	1.0	---	---	---	---	1	0	0	---
Níquel (µg/l Ni)	20	---	---	---	---	1	0	0	---
Oxidabilidade (mg/l O ₂)	5.0	---	---	---	---	1	0	0	---
Selénio (µg/l Se)	10	---	---	---	---	1	0	0	---
Sódio (mg/l Na)	200	---	---	---	---	1	0	0	---
Sulfatos (mg/l SO ₄)	250	---	---	---	---	1	0	0	---
Tetracloroetano e Tricloroetano (µg/l)	10	---	---	---	---	1	0	0	---
Tetracloroetano (µg/l)	---	---	---	---	---	1	0	0	---
Tricloroetano (µg/l)	---	---	---	---	---	1	0	0	---
Trihalometanos - total (THM) (µg/l)	100	---	---	---	---	1	0	0	---
Clorofórmio (µg/l)	---	---	---	---	---	1	0	0	---
Bromofórmio (µg/l)	---	---	---	---	---	1	0	0	---
Bromodiclorometano (µg/l)	---	---	---	---	---	1	0	0	---
Dibromoclorometano (µg/l)	---	---	---	---	---	1	0	0	---
Pesticidas - total (µg/l)	0.50	---	---	---	---	1	0	0	---
Bentazona (µg/l)	0.10	---	---	---	---	1	0	0	---
Clorpirifos (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilterbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Diurão (µg/l)	0.10	---	---	---	---	1	0	0	---
MCPA (µg/l)	0.10	---	---	---	---	1	0	0	---
Metolaclo (µg/l)	0.10	---	---	---	---	1	0	0	---
Terbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Ometoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Imidaclopride (µg/l)	0.10	---	---	---	---	1	0	0	---
Simazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilsimazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Metribuzina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetenamida-P (µg/l)	0.10	---	---	---	---	1	0	0	---
Alfa total (Bq/l)	0.1	---	---	---	---	1	0	0	---
Dose indicativa (mSv)	0.10	---	---	---	---	1	0	0	---
Radão(Bq/l)	500	---	---	---	---	1	0	0	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP: Não foram registados incumprimentos dos VP neste trimestre para esta Zona de Abastecimento.

Responsável: Daniel Cardoso

Data da publicação:

 23.05.2023



Dados do Controlo da Qualidade da Água para Consumo Humano no Concelho de Marco de Canaveses

1º TRIMESTRE

Em conformidade com o Decreto-Lei n.º 152/2017, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR)

2023

Zona de Abastecimento: Vila Boa de Quires

Parâmetro	Valor Paramétrico (VP)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	Nº de análises PCQA	N.º Análises no trimestre		% Análises Realizadas
		Mínimo	Máximo				Previstas	Realizadas	
<i>Escherichia coli</i> (<i>E. Coli</i>) (UFC/100 ml)	0	0	0	0	100%	6	1	1	100%
Bactérias coliformes (UFC/100 ml)	0	0	0	0	100%	6	1	1	100%
Desinfetante residual (mg/l)	---	0.66	0.66	---	---	6	1	1	100%
Alumínio (µg/l Al)	200	---	---	---	---	2	0	0	---
Cheiro a 25 °C (Fator de diluição)	3	---	---	---	---	2	0	0	---
Sabor a 25 °C (Fator de diluição)	3	---	---	---	---	2	0	0	---
pH (Unidades pH)	≥6,5 e ≤9,5	---	---	---	---	2	0	0	---
Condutividade a 20 °C (µS/cm)	2500	---	---	---	---	2	0	0	---
Cor (mg/l PtCo)	20	---	---	---	---	2	0	0	---
Turvação (NTU)	4	---	---	---	---	2	0	0	---
Enterococos (UFC/100 ml)	0	---	---	---	---	2	0	0	---
Número de colónias a 22 °C (N/ml)	---	---	---	---	---	2	0	0	---
Número de colónias a 37 °C (N/ml)	---	---	---	---	---	2	0	0	---
Ferro (µg/l Fe)	200	---	---	---	---	2	0	0	---
Manganês (µg/l Mn)	50	---	---	---	---	2	0	0	---
Nitratos (mg/l NO ₃)	50	---	---	---	---	2	0	0	---
<i>Clostridium perfringens</i> (N/100 ml)	0	---	---	---	---	2	0	0	---
Amónio (mg/l NH ₄)	0.5	---	---	---	---	1	0	0	---
Antimónio (µg/l Sb)	5.0	---	---	---	---	1	0	0	---
Arsénio (µg/l As)	10	---	---	---	---	1	0	0	---
Benzeno (µg/l)	1.0	---	---	---	---	1	0	0	---
Benzo(a)pireno (µg/l)	0.010	---	---	---	---	1	0	0	---
Boro (mg/l B)	1.0	---	---	---	---	1	0	0	---
Bromatos (µg/l BrO ₃)	10	---	---	---	---	1	0	0	---
Cádmio (µg/l Cd)	5.0	---	---	---	---	1	0	0	---
Cálcio (mg/l Ca)	---	---	---	---	---	1	0	0	---
Cianetos (µg/l CN)	50	---	---	---	---	1	0	0	---
Cloretos (mg/l Cl)	250	---	---	---	---	1	0	0	---
Cloritos (mg/l ClO ₂)	0.7	---	---	---	---	1	0	0	---
Cloratos (mg/l ClO ₃)	0.7	---	---	---	---	1	0	0	---
Chumbo (µg/l Pb)	10	---	---	---	---	1	0	0	---
Cobre (mg/l Cu)	2.0	---	---	---	---	1	0	0	---
Crómio (µg/l Cr)	50	---	---	---	---	1	0	0	---
1,2 - dicloroetano (µg/l)	3.0	---	---	---	---	1	0	0	---
Dureza total (mg/l CaCO ₃)	---	---	---	---	---	1	0	0	---
Fluoretos (mg/l F)	1.5000	---	---	---	---	1	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (HAP) (µg/l)	0.10	---	---	---	---	1	0	0	---
Benzo(b)fluoranteno (µg/l)	---	---	---	---	---	1	0	0	---
Benzo(k)fluoranteno (µg/l)	---	---	---	---	---	1	0	0	---
Benzo(ghi)perileno (µg/l)	---	---	---	---	---	1	0	0	---
Indeno(1,2,3-cd)pireno (µg/l)	---	---	---	---	---	1	0	0	---
Magnésio (mg/l Mg)	---	---	---	---	---	1	0	0	---
Nitritos (mg/l NO ₂)	0.50	---	---	---	---	1	0	0	---
Mercúrio (µg/l Hg)	1.0	---	---	---	---	1	0	0	---
Níquel (µg/l Ni)	20	---	---	---	---	1	0	0	---
Oxidabilidade (mg/l O ₂)	5.0	---	---	---	---	1	0	0	---
Selénio (µg/l Se)	10	---	---	---	---	1	0	0	---
Sódio (mg/l Na)	200	---	---	---	---	1	0	0	---
Sulfatos (mg/l SO ₄)	250	---	---	---	---	1	0	0	---
Tetracloroetano e Tricloroetano (µg/l)	10	---	---	---	---	1	0	0	---
Tetracloroetano (µg/l)	---	---	---	---	---	1	0	0	---
Tricloroetano (µg/l)	---	---	---	---	---	1	0	0	---
Trihalometanos - total (THM) (µg/l)	100	---	---	---	---	1	0	0	---
Clorofórmio (µg/l)	---	---	---	---	---	1	0	0	---
Bromofórmio (µg/l)	---	---	---	---	---	1	0	0	---
Bromodiorometano (µg/l)	---	---	---	---	---	1	0	0	---
Dibromoclorometano (µg/l)	---	---	---	---	---	1	0	0	---
Pesticidas - total (µg/l)	0.50	---	---	---	---	1	0	0	---
Bentazona (µg/l)	0.10	---	---	---	---	1	0	0	---
Clorpirifos (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilterbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Diurão (µg/l)	0.10	---	---	---	---	1	0	0	---
MCPA (µg/l)	0.10	---	---	---	---	1	0	0	---
Metolaclo (µg/l)	0.10	---	---	---	---	1	0	0	---
Terbutilazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Ometoato (µg/l)	0.10	---	---	---	---	1	0	0	---
Imidaclopride (µg/l)	0.10	---	---	---	---	1	0	0	---
Simazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Desetilsimazina (µg/l)	0.10	---	---	---	---	1	0	0	---
Metribuzina (µg/l)	0.10	---	---	---	---	1	0	0	---
Dimetenamida-P (µg/l)	0.10	---	---	---	---	1	0	0	---
Alfa total (Bq/l)	0.1	---	---	---	---	1	0	0	---
Dose indicativa (mSv)	0.10	---	---	---	---	1	0	0	---
Radão (Bq/l)	500	---	---	---	---	1	0	0	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP: Não foram registados incumprimentos dos VP neste trimestre para esta Zona de Abastecimento.

Responsável: Daniel Cardoso

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DAE 23.05.2023