



MUNICÍPIO DE CASTELO DE PAIVA

CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO
NAS ZONAS DE ABASTECIMENTO¹ DO CONCELHO DE CASTELO DE PAIVA

EDITAL n.º 71

Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, na sua redação atual, 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).

3º TRIMESTRE 2022

1 abril a
30 junho

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, de 27 de agosto, na sua redação atual	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
Escherichia coli (N/100 ml)	0	---	0	0	100%	21	21	100%
Bactérias coliformes (N/100 ml)	0	1	3	2	90%	21	21	100%
Desinfetante residual (mg/L)	---	0,2	1	---	---	21	21	100%
Controlo Rotina 2								
Enterococos (N/100 mL)	0	---	0	0	100%	6	6	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	<1	46	---	---	6	6	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	1	7	---	---	6	6	100%
Condutividade (µS/cm a 20°C)	2500	140	260	0	100%	6	6	100%
Cor (mg/L PtCo)	20	---	<2	0	100%	6	6	100%
pH (Unidades pH)	≥6,5 e ≤9	7,6	9	0	100%	6	6	100%
Manganês (µg/L Mn)	50	---	<15	0	100%	3	3	100%
Nitratos (mg/L NO ₃)	50	---	<10	0	100%	2	2	100%
Oxidabilidade (mg/L O ₂)	5	---	<1,5	0	100%	3	3	100%
Cheiro a 25°C (Factor de diluição)	3	---	<1	0	100%	6	6	100%
Sabor a 25°C (Factor de diluição)	3	---	<1	0	100%	6	6	100%
Turvação (NTU)	4	---	<1	0	100%	6	6	100%
Controlo de Inspeção								
Amónio (mg/L NH ₄)	0,50	---	<0,02	0	100%	3	3	100%
Alumínio (µg/L Al)	200	---	<30	0	100%	3	3	100%
Clostridium perfringens (N/100ml)	0	---	0	0	100%	6	6	100%
Ferro (µg/L Fe)	200	<50	82	1	83%	6	6	100%
Nitritos (mg/L NO ₂)	0,5	---	<0,02	0	100%	3	3	100%
Antimónio (µg/L Sb)	5,0	---	<1,5	0	100%	2	2	100%
Arsénio (µg/L As)	10	<3	4	0	100%	2	2	100%
Benzeno (µg/L)	1,0	---	<0,3	0	100%	2	2	100%
Benzo(a)pireno (µg/L)	0,010	---	<0,003	0	100%	3	3	100%
Cloratos (mg/L)	0,7	---	0,034	0	100%	1	1	---
Cloritos (mg/L)	0,7	---	0,228	0	100%	1	1	---
Boro (mg/L B)	1,0	---	<0,15	0	100%	2	2	100%
Bromatos (µg/L BrO3)	10,0	---	<3	0	100%	2	2	100%
Cádmio (µg/L Cd)	5,0	---	<1	0	100%	2	2	100%
Cálcio (mg/L Ca)	---	<5	21,8	---	---	3	3	100%
Chumbo (µg/L Pb)	10	---	<3	0	100%	3	3	100%
Cianetos (µg/L CN)	50	---	<15	0	100%	2	2	100%
Cobre (mg/L Cu)	2,0	<0,02	0,033	0	100%	3	3	100%
Crómio (µg/L Cr)	50	---	<2	0	100%	3	3	100%
1-2 Dicloroetano (µg/L)	3,0	---	<0,3	0	100%	2	2	100%
Dureza total (mg/L CaCO3)	---	21	59	---	---	3	3	100%
Fluoretos (mg/L F)	1,5	<0,1	0,1	0	100%	2	2	100%
Magnésio (mg/L Mg)	---	1	5	---	---	3	3	100%
Mercurio(µg/L Hg)	1,0	---	<0,2	0	100%	2	2	100%
Níquel (µg/L Ni)	20	<5	5	0	100%	3	3	100%
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,01	0	100%	3	3	100%
Benzo(b)fluoranteno (µg/L)	---	---	<0,01	---	---	3	3	100%
Benzo(k)fluoranteno (µg/L)	---	---	<0,01	---	---	3	3	100%
Benzo(ghi)perileno (µg/L)	---	---	<0,01	---	---	3	3	100%
Indeno(1,2,3-cd)pireno(µg/L)	---	---	<0,01	---	---	3	3	100%
Selénio (µg/L Se)	10	---	<3	0	100%	2	2	100%
Cloretos (mg/L Cl)	250	10	12	0	100%	2	2	100%
Tetracloroetano e Tricloroetano (µg/L):	10	---	<3	0	100%	2	2	100%
Tetracloroetano (µg/L)	---	---	<3	---	---	2	2	100%
Tricloroetano (µg/L)	---	---	<0,3	---	---	2	2	100%
Trihalometanos - total (µg/L):	100	<3	14	0	100%	3	3	100%
Clorofórmio(µg/L)	---	<3	10	---	---	3	3	100%
Bromofórmio(µg/L)	---	---	<3	---	---	3	3	100%
Bromodiclorometano(µg/L)	---	<3	4	---	---	3	3	100%
Dibromodiclorometano(µg/L)	---	---	<3	---	---	3	3	100%
Sódio (mg/L Na)	200	<5	49	0	100%	2	2	100%
Sulfatos (mg/L SO4)	250	<10	18	0	100%	2	2	100%
Alfa total (Bq/l)	<0,05	---	<0,04	0	100%	2	2	100%
Dose Indicativa (mSv/ano)	<0,10	---	<0,1	0	100%	2	2	100%
Radão (Bq/l)	500	<16,4	41,9	0	100%	2	2	100%
Pesticidas - total (µg/L):	0,5	---	<0,03	0	100%	2	2	100%
Bentazona (µg/L)	0,10	---	<0,03	0	100%	2	2	100%
Clorpirifos (µg/L)	0,10	---	<0,03	0	100%	2	2	100%
Desetilterbutilazina (µg/L)	0,10	---	<0,03	0	100%	2	2	100%
Dimetoato (µg/L)	0,10	---	<0,03	0	100%	2	2	100%
Diurão (µg/L)	0,10	---	<0,03	0	100%	2	2	100%
MCPA (µg/L)	0,10	---	<0,03	0	100%	2	2	100%
Metolaclo (µg/L)	0,10	---	<0,03	0	100%	2	2	100%
Terbutilazina (µg/L)	0,10	---	<0,03	0	100%	2	2	100%
Ometoato (µg/L)	0,10	---	<0,025	0	100%	2	2	100%
Imidaclopride (µg/L)	0,10	---	<0,03	0	100%	2	2	100%
Simazina (µg/L)	0,10	---	<0,03	0	100%	2	2	100%
Desetilsimazina (µg/L)	0,10	---	<0,03	0	100%	2	2	100%

NOTA 1: Zonas de abastecimento controladas: Sistema Central, Sistema de Seixo, Sistema de Almansor, Sistema de Molinho, Sistema de M6, Sistema de Gilde, Sistema de Vilar de Elrigo (fontanário origem única de água) e Sistema de Nogueira (fontanário origem única de água).

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não foi possível identificar a causa dos incumprimentos detetados nos Sistemas, Central e de Almansor, relativo ao parâmetro de Bactérias Coliformes, já que as análises posteriores revelaram que as situações estavam normalizadas.

O Presidente da Câmara Municipal: Eng.º José Rocha

Data de publicação: 15/07/2022



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Sistema Central"
(Abrange todas as freguesias do Concelho)
2º Trimestre de 2022

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, de 27 de agosto, na sua redação atual	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
Escherichia coli (N/100 ml)	0	---	0	0	100%	12	12	100%
Bactérias coliformes (N/100 ml)	0	0	3	1	92%	12	12	100%
Desinfetante residual (mg/L)	---	0,2	0,9	---	---	12	12	100%
Controlo Rotina 2								
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	<1	46	---	---	4	4	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	<1	7	---	---	4	4	100%
Condutividade (µS/cm a 20°C)	2500	140	160	0	100%	4	4	100%
Cor (mg/L PtCo)	20	---	<2	0	100%	4	4	100%
pH (Unidades pH)	≥6,5 e ≤9	7,7	8	0	100%	4	4	100%
Ferro (µg/L Fe)	200	---	<50	0	100%	4	4	100%
Clostridium perfringens (N/100ml)	0	---	0	0	100%	4	4	100%
Enterococos (N/100 ml)	0	---	0	0	100%	4	4	100%
Cheiro a 25°C (Factor de diluição)	3	---	<1	0	100%	4	4	100%
Sabor a 25°C (Factor de diluição)	3	---	<1	0	100%	4	4	100%
Turvação (NTU)	4	---	<0,5	0	100%	4	4	100%
Controlo de Inspeção								
Amónio (mg/L NH ₄)	0,50	---	<0,02	0	100%	1	1	100%
Alumínio (µg/L Al)	200	---	<30	0	100%	1	1	100%
Nitritos (mg/L NO ₂)	0,5	---	<0,02	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0,010	---	<0,003	0	100%	1	1	100%
Cloratos (mg/L)	0,7	---	0,034	0	---	1	1	100%
Cloritos (mg/L)	0,7	---	0,228	0	100%	1	1	100%
Cálcio (mg/L Ca)	---	---	20,7	---	---	1	1	100%
Chumbo (µg/L Pb)	10	---	<3	0	100%	1	1	100%
Cobre (mg/L Cu)	2,0	---	0,033	0	100%	1	1	100%
Dureza total (mg/L CaCO ₃)	---	---	56	---	---	1	1	100%
Oxidabilidade (mg/L O ₂)	5	---	<1,5	0	100%	1	1	100%
Manganês (µg/L Mn)	50	---	<15	0	100%	1	1	100%
Magnésio (mg/L Mg)	---	---	1,2	---	---	1	1	100%
Níquel (µg/L Ni)	20	---	5	0	100%	1	1	100%
Crómio (µg/L Cr)	50	---	<2	0	100%	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,01	0	100%	1	1	100%
Benzo(b)fluoranteno (µg/L)	---	---	<0,01	---	---	1	1	100%
Benzo(k)fluoranteno (µg/L)	---	---	<0,01	---	---	1	1	100%
Benzo(ghi)perileno (µg/L)	---	---	<0,01	---	---	1	1	100%
Indeno(1,2,3-cd)pireno(µg/L)	---	---	<0,01	---	---	1	1	100%
Trihalometanos - total (µg/L):	100	---	10	0	100%	1	1	100%
Clorofórmio(µg/L)	---	---	6	---	---	1	1	100%
Bromofórmio(µg/L)	---	---	<3	---	---	1	1	100%
Bromodiorometano(µg/L)	---	---	4	---	---	1	1	100%
Dibromodiorometano(µg/L)	---	---	<3	---	---	1	1	100%
Informação complementar relativa à averiguação das situações de Incumprimento dos VP (causas e medidas correctivas): não foi possível identificar a causa do incumprimento detetado no Sistema Central, relativo ao parâmetro de Bactérias Coliformes, já que a análise posterior revelou que a situação estava normalizada.								
O presidente da Câmara Municipal: Eng.º José Rocha						Data da publicação: 15/07/2022		



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Sistema da M6" - Freguesia de Real
2º Trimestre de 2022

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, de 27 de agosto, na sua redação atual	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
Escherichia coli (N/100 ml)	0	---	0	0	100%	1	1	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	1	1	100%
Desinfetante residual (mg/L)	---	---	0,6	---	---	1	1	100%
Controlo Rotina 2								
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Condutividade (µS/cm a 20°C)	2500	---	---	---	---	---	---	---
Enterococos (N/100 mL)	0	---	---	---	---	---	---	---
Cor (mg/L PtCo)	20	---	---	---	---	---	---	---
pH (Unidades pH)	≥6,5 e ≤9	---	---	---	---	---	---	---
Cheiro a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Sabor a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Turvação (NTU)	4	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5,0	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO3)	10,0	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
1-2 Dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Dureza total (mg/L CaCO3)	---	---	---	---	---	---	---	---
Amónio (mg/L NH ₄)	0,50	---	---	---	---	---	---	---
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Mercurio(µg/L Hg)	1,0	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
Selénio (µg/L Se)	10	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L):	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	---	---	---
Tricloroetano (µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	---	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Sulfatos (mg/L SO4)	250	---	---	---	---	---	---	---
Alfa total (Bq/l)	<0,05	---	---	---	---	---	---	---
Dose Indicativa (mSv/ano)	<0,10	---	---	---	---	---	---	---
Radão (Bq/l)	500	---	---	---	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	---	---	---	---	---	---
Bentazona (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirifos (µg/L)	0,10	---	---	---	---	---	---	---
Desetilterbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Dimetoato (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	0,10	---	---	---	---	---	---	---
MCPA (µg/L)	0,10	---	---	---	---	---	---	---
Metolacloprido (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Ometoato (µg/L)	0,10	---	---	---	---	---	---	---
Imidaclopride (µg/L)	0,10	---	---	---	---	---	---	---
Simazina (µg/L)	0,10	---	---	---	---	---	---	---
Desetilsimazina (µg/L)	---	---	---	---	---	---	---	---

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

O presidente da Câmara Municipal: Eng.º José Rocha

Data da publicação: 15/07/2022



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Sistema do Seixo" - Freguesia de Real
2º Trimestre de 2022

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, de 27 de agosto, na sua redação atual	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
Escherichia coli (N/100 ml)	0	---	0	0	100%	1	1	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	1	1	100%
Desinfetante residual (mg/L)	---	---	0,6	---	---	1	1	100%
Controlo Rotina 2								
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Condutividade (µS/cm a 20°C)	2500	---	---	---	---	---	---	---
Enterococos (N/100 ml)	0	---	---	---	---	---	---	---
Cor (mg/L PtCo)	20	---	---	---	---	---	---	---
pH (Unidades pH)	≥6,5 e ≤9	---	---	---	---	---	---	---
Cheiro a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Sabor a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Turvação (NTU)	4	---	---	---	---	---	---	---
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5,0	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO3)	10,0	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	---
1-2 Dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Dureza total (mg/L CaCO3)	---	---	---	---	---	---	---	---
Amónio (mg/L NH ₄)	0,50	---	---	---	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Mercurío(µg/L Hg)	1,0	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
Selénio (µg/L Se)	10	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L):	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	---	---	---
Tricloroetano (µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodichlorometano(µg/L)	---	---	---	---	---	---	---	---
Dibromodichlorometano(µg/L)	---	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Sulfatos (mg/L SO4)	250	---	---	---	---	---	---	---
Alfa total (Bq/l)	<0,05	---	---	---	---	---	---	---
Dose Indicativa (mSv/ano)	<0,10	---	---	---	---	---	---	---
Radão (Bq/l)	500	---	---	---	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	---	---	---	---	---	---
Bentazona (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirifos (µg/L)	0,10	---	---	---	---	---	---	---
Desetilterbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Dimetoato (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	0,10	---	---	---	---	---	---	---
MCPA (µg/L)	0,10	---	---	---	---	---	---	---
Metolacoloro (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Ometoato (µg/L)	0,10	---	---	---	---	---	---	---
imidaciopride (µg/L)	0,10	---	---	---	---	---	---	---
Simazina (µg/L)	0,10	---	---	---	---	---	---	---
Desetilsimazina (µg/L)	---	---	---	---	---	---	---	---

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

O presidente da Câmara Municipal: Eng.º José Rocha

Data da publicação: 15/07/2022



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Sistema do Gilde" - Freguesia de Real
2º Trimestre de 2022

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, de 27 de agosto, na sua redação atual	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
Escherichia coli (N/100 ml)	0	---	0	0	100%	2	2	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	2	2	100%
Desinfetante residual (mg/L)	---	1	0,3	---	---	2	2	100%
Controlo Rotina 2								
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	---	<1	---	---	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	<1	---	---	1	1	100%
Condutividade (µS/cm a 20°C)	2500	---	260	0	100%	1	1	100%
Enterococos (N/100 mL)	0	---	0	0	100%	1	1	100%
Cor (mg/L PtCo)	20	---	<2	0	100%	1	1	100%
pH (Unidades pH)	≥8,5 e ≤9	---	9	0	100%	1	1	100%
Chelro a 25°C (Factor de diluição)	3	---	<1	0	100%	1	1	100%
Ferro (µg/L Fe)	200	---	82	0	100%	1	1	100%
Manganês (µg/L Mn)	50	---	<15	0	100%	1	1	100%
Sabor a 25°C (Factor de diluição)	3	---	<1	0	100%	1	1	100%
Turvação (NTU)	4	---	<0,5	0	100%	1	1	100%
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	<30	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	---	0	0	100%	1	1	100%
Nitritos (mg/L NO ₂)	0,5	---	<0,02	0	100%	1	1	100%
Antimónio (µg/L Sb)	5,0	---	<1,5	0	100%	1	1	100%
Arsénio (µg/L As)	10	---	4	0	100%	1	1	100%
Benzeno (µg/L)	1,0	---	<0,3	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0,010	---	<0,003	0	100%	1	1	100%
Boro (mg/L B)	1,0	---	<0,15	0	100%	1	1	100%
Bromatos (µg/L BrO3)	10,0	---	<3	0	100%	1	1	100%
Cádmio (µg/L Cd)	5,0	---	<1	0	100%	1	1	100%
Cálcio (mg/L Ca)	---	---	<5	---	---	1	1	100%
Chumbo (µg/L Pb)	10	---	<3	0	100%	1	1	100%
Cianetos (µg/L CN)	60	---	<15	0	100%	1	1	100%
Cobre (mg/L Cu)	2,0	---	<0,02	0	100%	1	1	100%
Crómio (µg/L Cr)	50	---	<2	0	100%	1	1	100%
Nitratos (mg/L NO ₃)	50	---	<10	0	100%	1	1	100%
1-2 Dicloroetano (µg/L)	3,0	---	<0,3	0	100%	1	1	100%
Dureza total (mg/L CaCO3)	---	---	21	---	---	1	1	100%
Amónio (mg/L NH ₄)	0,50	---	<0,02	0	100%	1	1	100%
Oxidabilidade (mg/L O ₂)	5	---	<1,5	0	100%	1	1	100%
Fluoretos (mg/L F)	1,5	---	<0,1	0	100%	1	1	100%
Magnésio (mg/L Mg)	---	---	5	---	---	1	1	100%
Mercurio(µg/L Hg)	1,0	---	<0,2	0	100%	1	1	100%
Níquel (µg/L Ni)	20	---	<5	0	100%	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,010	0	100%	1	1	100%
Benzo(b)fluoranteno (µg/L)	---	---	<0,01	---	---	1	1	100%
Benzo(k)fluoranteno (µg/L)	---	---	0,01	---	---	1	1	100%
Benzo(ghi)perileno (µg/L)	---	---	<0,01	---	---	1	1	100%
Indeno(1,2,3-cd)pireno(µg/L)	---	---	<0,01	---	---	1	1	100%
Selénio (µg/L Se)	10	---	<3	0	100%	1	1	100%
Cloretos (mg/L Cl)	250	---	10	0	100%	1	1	100%
Tetracloreto e Tricloroetano (µg/L):	10	---	<3	0	100%	1	1	100%
Tetracloreto (µg/L)	---	---	<3	---	---	1	1	100%
Tricloroetano (µg/L)	---	---	<0,3	---	---	1	1	100%
Trihalometanos - total (µg/L):	100	---	<3	0	100%	1	1	100%
Clorofórmio(µg/L)	---	---	<3	---	---	1	1	100%
Bromofórmio(µg/L)	---	---	<3	---	---	1	1	100%
Bromodiclorometano(µg/L)	---	---	<3	---	---	1	1	100%
Dibromoclorometano(µg/L)	---	---	<3	---	---	1	1	100%
Sódio (mg/L Na)	200	---	49	0	100%	1	1	100%
Sulfatos (mg/L SO4)	250	---	18	0	100%	1	1	100%
Alfa total (Bq/l)	<0,05	---	<0,04	0	100%	1	1	100%
Dose Indicativa (mSv/ano)	<0,10	---	<0,1	0	100%	1	1	100%
Radão (Bq/l)	500	---	41,9	0	100%	1	1	100%
Pesticidas - total (µg/L):	0,5	---	<0,03	0	100%	1	1	100%
Bentazona (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Clorpirifos (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Desetilterbutilazina (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Dimetoato (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Diurão (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
MCPA (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Metolaclo (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Terbutilazina (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Ometoato (µg/L)	0,10	---	<0,025	0	100%	1	1	100%
Imidaclopride (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Simazina (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Desetilsimazina (µg/L)	---	---	<0,03	---	---	1	1	100%

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

O presidente da Câmara Municipal: Eng.º José Rocha

Data da publicação: 13/05/2022



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Sistema do Moinho" - Freguesia de Real
2º Trimestre de 2022

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, de 27 de agosto, na sua redação atual	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
Escherichia coli (N/100 ml)	0	---	0	0	100%	1	1	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	1	1	100%
Desinfetante residual (mg/L)	---	---	0,7	---	---	1	1	100%
Controlo Rotina 2								
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Condutividade (µS/cm a 20°C)	2500	---	---	---	---	---	---	---
Enterococos (N/100 ml)	0	---	---	---	---	---	---	---
Cor (mg/L PtCo)	20	---	---	---	---	---	---	---
pH (Unidades pH)	≥8,5 e ≤9	---	---	---	---	---	---	---
Chelro a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Sabor a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Turvação (NTU)	4	---	---	---	---	---	---	---
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5,0	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO3)	10,0	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	---
1-2 Dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Dureza total (mg/L CaCO3)	---	---	---	---	---	---	---	---
Amónio (mg/L NH ₄)	0,50	---	---	---	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Mercurio (µg/L Hg)	1,0	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
Selénio (µg/L Se)	10	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L):	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	---	---	---
Tricloroetano (µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	---	---	---	---	---	---
Dibromodiclorometano(µg/L)	---	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Sulfatos (mg/L SO4)	250	---	---	---	---	---	---	---
Alfa total (Bq/l)	<0,05	---	---	---	---	---	---	---
Dose indicativa (mSv/ano)	<0,10	---	---	---	---	---	---	---
Radão (Bq/l)	500	---	---	---	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	---	---	---	---	---	---
Bentazona (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirrifos (µg/L)	0,10	---	---	---	---	---	---	---
Desetilterbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Dimetoato (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	0,10	---	---	---	---	---	---	---
MCPA (µg/L)	0,10	---	---	---	---	---	---	---
Metolaclozo (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Ometoato (µg/L)	0,10	---	---	---	---	---	---	---
Imidaclopride (µg/L)	0,10	---	---	---	---	---	---	---
Simazina (µg/L)	0,10	---	---	---	---	---	---	---
Desetilterbutilazina (µg/L)	---	---	---	---	---	---	---	---
Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): Nada a registar.								
O presidente da Câmara Municipal: Eng.º José Rocha						Data da publicação: 15/07/2022		



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Sistema de Almancor" - União de Freguesias de Raiva, Pedorido e Paraíso
2º Trimestre de 2022

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, de 27 de agosto, na sua redação atual	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
Escherichia coli (N/100 ml)	0	---	0	0	100%	1	1	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	1	1	100%
Desinfetante residual (mg/L)	---	---	0,7	---	---	1	1	100%
Controlo Rotina 2								
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Condutividade (µS/cm a 20°C)	2500	---	---	---	---	---	---	---
Enterococos (N/100 ml)	0	---	---	---	---	---	---	---
Cor (mg/L PtCo)	20	---	---	---	---	---	---	---
pH (Unidades pH)	≥6,5 e ≤9	---	---	---	---	---	---	---
Cheiro a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Sabor a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Turvação (NTU)	4	---	---	---	---	---	---	---
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5,0	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO3)	10,0	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
1-2 Dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Dureza total (mg/L CaCO3)	---	---	---	---	---	---	---	---
Amónio (mg/L NH ₄)	0,50	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Mercurio(µg/L Hg)	1,0	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
Selénio (µg/L Se)	10	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Tetracloroeteno e Tricloroeteno (µg/L):	10	---	---	---	---	---	---	---
Tetracloroeteno (µg/L)	---	---	---	---	---	---	---	---
Tricloroeteno (µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	---	---	---	---	---	---
Dibromodiclorometano(µg/L)	---	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Sulfatos (mg/L SO4)	250	---	---	---	---	---	---	---
Alfa total (Bq/l)	<0,05	---	---	---	---	---	---	---
Dose indicativa (mSv/ano)	<0,10	---	---	---	---	---	---	---
Radão (Bq/l)	500	---	---	---	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	---	---	---	---	---	---
Bentazona (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirrifos (µg/L)	0,10	---	---	---	---	---	---	---
Desetilterbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Dimetoato (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	0,10	---	---	---	---	---	---	---
MCPA (µg/L)	0,10	---	---	---	---	---	---	---
Metolaclo (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Ometoato (µg/L)	0,10	---	---	---	---	---	---	---
Imidaclopride (µg/L)	0,10	---	---	---	---	---	---	---
Simazina (µg/L)	0,10	---	---	---	---	---	---	---
Desetilsimazina (µg/L)	---	---	---	---	---	---	---	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não foi possível identificar a causa do incumprimento detetado no Sistema de Almancor, relativo ao parâmetro de Bactérias Coliformes, já que a análise posterior revelou que a situação estava normalizada.

O presidente da Câmara Municipal: Eng.º José Rocha

Data da publicação: 15/07/2022



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Sistema de Vilar de Eirigo" - União de Freguesias de Sobrado e Bairros
2º Trimestre de 2022

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, de 27 de agosto, na sua redação atual	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
Escherichia coli (N/100 ml)	0	---	0	0	100%	1	1	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	1	1	100%
Desinfetante residual (mg/L)	---	---	0,6	---	---	1	1	100%
Controlo Rotina 2								
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Condutividade (µS/cm a 20°C)	2500	---	---	---	---	---	---	---
Enterococos (N/100 mL)	0	---	---	---	---	---	---	---
Cor (mg/L PtCo)	20	---	---	---	---	---	---	---
pH (Unidades pH)	≥6,5 e ≤9	---	---	---	---	---	---	---
Cheiro a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Sabor a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Turvação (NTU)	4	---	---	---	---	---	---	---
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5,0	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO3)	10,0	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
1-2 Dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Dureza total (mg/L CaCO3)	---	---	---	---	---	---	---	---
Amónio (mg/L NH ₄)	0,50	---	---	---	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Mercurio(µg/L Hg)	1,0	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
Selénio (µg/L Se)	10	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L):	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	---	---	---
Tricloroetano (µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	---	---	---	---	---	---
Dibromodiclorometano(µg/L)	---	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Sulfatos (mg/L SO4)	250	---	---	---	---	---	---	---
Alfa total (Bq/l)	<0,05	---	---	---	---	---	---	---
Dose indicativa (mSv/ano)	<0,10	---	---	---	---	---	---	---
Radão (Bq/l)	500	---	---	---	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	---	---	---	---	---	---
Bentazona (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirifos (µg/L)	0,10	---	---	---	---	---	---	---
Desetilterbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Dimetoato (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	0,10	---	---	---	---	---	---	---
MCPA (µg/L)	0,10	---	---	---	---	---	---	---
Metolaclo (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Ometoato (µg/L)	0,10	---	---	---	---	---	---	---
Imidaclopride (µg/L)	0,10	---	---	---	---	---	---	---
Simazina (µg/L)	0,10	---	---	---	---	---	---	---
Desetilterbutilazina (µg/L)	---	---	---	---	---	---	---	---

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

O presidente da Câmara Municipal: Eng.º José Rocha

Data da publicação: 15/07/2022



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento “Sistema de Nogueira” - União de Freguesias de Raiva, Pedrido e Paraíso
2º Trimestre de 2022

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007, de 27 de agosto, na sua redação atual	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
Escherichia coli (N/100 ml)	0	---	0	0	100%	2	2	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	2	2	100%
Desinfetante residual (mg/L)	---	0,7	0,8	---	---	2	2	100%
Controlo Rotina 2								
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	---	<1	0	---	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	<1	0	---	1	1	100%
Condutividade (µS/cm a 20°C)	2500	---	160	0	100%	1	1	100%
Enterococos (N/100 ml)	0	---	0	0	100%	1	1	100%
Cor (mg/L PtCo)	20	---	<2	0	100%	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9	---	7,7	0	100%	1	1	100%
Cheiro a 25°C (Factor de diluição)	3	---	<1	0	100%	1	1	100%
Sabor a 25°C (Factor de diluição)	3	---	<1	0	100%	1	1	100%
Turvação (NTU)	4	---	<0,5	0	100%	1	1	100%
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	<30	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	---	0	0	100%	1	1	100%
Nitritos (mg/L NO ₂)	0,5	---	<0,02	0	100%	1	1	100%
Antimónio (µg/L Sb)	5,0	---	<1,5	0	100%	1	1	100%
Arsénio (µg/L As)	10	---	<3	0	100%	1	1	100%
Benzeno (µg/L)	1,0	---	<0,3	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0,010	---	<0,003	0	100%	1	1	100%
Boro (mg/L B)	1,0	---	<0,15	0	100%	1	1	100%
Bromatos (µg/L BrO ₃)	10,0	---	<3	0	100%	1	1	100%
Cádmio (µg/L Cd)	5,0	---	<1	0	100%	1	1	100%
Cálcio (mg/L Ca)	---	---	21,8	0	---	1	1	100%
Chumbo (µg/L Pb)	10	---	<3	0	100%	1	1	100%
Cianetos (µg/L CN)	50	---	<15	0	100%	1	1	100%
Cobre (mg/L Cu)	2,0	---	<0,02	0	100%	1	1	100%
Crómio (µg/L Cr)	50	---	<2	0	100%	1	1	100%
Nitratos (mg/L NO ₃)	50	---	<10	0	100%	1	1	100%
Ferro (µg/L Fe)	200	---	<50	0	100%	1	1	100%
Manganês (µg/L Mn)	50	---	<15	0	100%	1	1	100%
1-2 Dicloroetano (µg/L)	3,0	---	<0,3	0	100%	1	1	100%
Dureza total (mg/L CaCO ₃)	---	---	59	0	---	1	1	100%
Amónio (mg/L NH ₄)	0,50	---	<0,02	0	100%	1	1	100%
Oxidabilidade (mg/L O ₂)	5	---	<1,5	0	100%	1	1	100%
Fluoretos (mg/L F)	1,5	---	0,1	0	100%	1	1	100%
Magnésio (mg/L Mg)	---	---	1	0	---	1	1	100%
Mercurio(µg/L Hg)	1,0	---	<0,2	0	100%	1	1	100%
Níquel (µg/L Ni)	20	---	<5	0	100%	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,010	0	100%	1	1	100%
Benzo(b)fluoranteno (µg/L)	---	---	<0,01	0	---	1	1	100%
Benzo(k)fluoranteno (µg/L)	---	---	<0,01	0	---	1	1	100%
Benzo(ghi)perileno (µg/L)	---	---	<0,01	0	---	1	1	100%
Indeno(1,2,3-cd)pireno(µg/L)	---	---	<0,01	0	---	1	1	100%
Selénio (µg/L Se)	10	---	<3	0	100%	1	1	100%
Cloretos (mg/L Cl)	250	---	12	0	100%	1	1	100%
Tetracloreto e Tricloretoeno (µg/L):	10	---	<3	0	100%	1	1	100%
Tetracloretoeno (µg/L)	---	---	<3	0	---	1	1	100%
Tricloretoeno (µg/L)	---	---	<0,3	0	---	1	1	100%
Trihalometanos - total (µg/L):	100	---	14	0	100%	1	1	100%
Clorofórmio(µg/L)	---	---	10	0	---	1	1	100%
Bromofórmio(µg/L)	---	---	<3	0	---	1	1	100%
Bromodiclorometano(µg/L)	---	---	4	0	---	1	1	100%
Dibromoclorometano(µg/L)	---	---	<3	0	---	1	1	100%
Sódio (mg/L Na)	200	---	<5	0	100%	1	1	100%
Sulfatos (mg/L SO ₄)	250	---	<10	0	100%	1	1	100%
Alfa total (Bq/l)	<0,05	---	<0,04	0	100%	1	1	100%
Dose indicativa (mSv/ano)	<0,10	---	<0,1	0	100%	1	1	100%
Radão (Bq/l)	500	---	<16,4	0	100%	1	1	100%
Pesticidas - total (µg/L):	0,5	---	<0,03	0	100%	1	1	100%
Bentazona (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Clorpirifos (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Desetilterbutilazina (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Dimetoato (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Diurão (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
MCPA (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Metolaclo (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Terbutilazina (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Ometoato (µg/L)	0,10	---	<0,025	0	100%	1	1	100%
Imidaclopride (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Simazina (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Desetilterbutilazina (µg/L)	---	---	<0,03	0	---	1	1	100%

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

O presidente da Câmara Municipal: Eng.º José Rocha

Data da publicação: 15/07/2022