



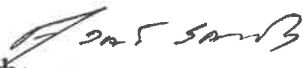
MUNICÍPIO DE CASTELO DE PAIVA

EDITAL

Dr. Gonçalo Fernando da Rocha de Jesus, Presidente da Câmara Municipal de Castelo de Paiva,

A Câmara Municipal, em cumprimento do n.º 1, do artigo 17º, do Decreto-Lei n.º 306/2007, de 27 de Agosto, na sua redação atual, vem **publicitar** o resultado do **CONTROLO ANALÍTICO DA QUALIDADE DA ÁGUA** relativa ao 1º trimestre de 2020.

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

E eu, , Dr. Adão Santos, Diretor do Departamento Técnico, o subscrevo.

Castelo de Paiva, 12 de maio de 2020

O Presidente da Câmara Municipal,



(Gonçalo Rocha, Dr.)

MUNICÍPIO DE CASTELO DE PAIVA		CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NAS ZONAS DE ABASTECIMENTO ³ DO CONCELHO DE CASTELO DE PAIVA					EDITAL n.º 29	
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).							1º TRIMESTRE 2021 1 Janeiro a 31 março	
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			Agências	Realizadas	
Controlo Rotina 1								
Escherichia coli (N/100 ml)	0	0	19	2	92%	24	24	100%
Bactérias coliformes (N/100 ml)	0	2	76	3	88%	24	24	100%
Desinfetante residual (mg/L)	---	0,2	0,9	---	---	24	24	100%
Controlo Rotina 2								
Enterococos (N/100 ml)	0	---	0	0	100%	7	7	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	<1	13	---	---	7	7	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	1	2	---	---	7	7	100%
Condutividade (µS/cm a 20°C)	2500	150	200	0	100%	7	7	100%
Cor (mg/L PtCo)	20	---	<2	0	100%	7	7	100%
pH (Unidades pH)	≥6,5 e ≤9	6,9	7,9	0	100%	7	7	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%	7	7	100%
Sabor a 25°C (Factor de diluição)	3	---	<1	0	100%	7	7	100%
Turbidez (NTU)	4	---	<0,5	0	100%	7	7	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%	7	7	100%
Ferro (µg/L Fe)	200	---	<50	0	100%	7	7	100%
Nitritos (mg/L NO ₂)	0,5	---	<0,02	0	100%	3	3	100%
Antimónio (µg/L Sb)	5,0	<1	1	0	100%	2	2	100%
Arsénio (µg/L As)	10	---	<3	0	100%	2	2	100%
Benzeno (µg/L)	1,0	<0,3	<3	0	100%	2	2	100%
Benzo(a)pireno (µg/L)	0,010	---	<0,005	0	100%	3	3	100%
Boro (mg/L B)	1,0	---	<0,3	0	100%	2	2	100%
Bromatos (µg/L BrO ₃)	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	19	0	100%	3	3	100%
Chumbo (µg/L Pb)	10	---	<1	0	100%	3	3	100%
Cianetos (µg/L CN)	50	---	<15	0	100%	2	2	---
Cloratos (mg/L)	0,7	---	0,02	0	100%	1	1	100%
Cloritos (mg/L)	0,7	---	0,0924	0	100%	1	1	100%
Cobre (mg/L Cu)	2,0	<0,3	0,3	0	100%	3	3	100%
Crómio (µg/L Cr)	50	---	<2	0	100%	3	3	100%
1,2 Dicloroetano (µg/L)	3,0	---	<0,25	0	100%	2	2	100%
Dureza total (mg/L CaCO ₃)	---	<17	130	---	---	3	3	100%
Fluoretos (mg/L F)	1,5	0,1	0,2	---	100%	2	2	100%
Magnésio (mg/L Mg)	---	1,4	20	---	---	3	3	100%
Mercurio (µg/L Hg)	1,0	---	<0,2	0	100%	2	2	100%
Níquel (µg/L Ni)	20	<5	7	0	100%	3	3	100%
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,010	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)	---	---	<0,02	---	---	3	3	100%
Selénio (µg/L Se)	10	---	<3	0	100%	2	2	100%
Cloretos (mg/L Cl)	250	---	<10	0	100%	2	2	100%
Tetracloroeteno e Tricloroeteno (µg/L):	10	---	<0,5	0	100%	2	2	100%
Tetracloroeteno (µg/L)	---	---	<0,5	---	---	2	2	100%
Tricloroeteno (µg/L)	---	---	<0,5	---	---	2	2	100%
Trihalometanos - total (µg/L):	100	<0,5	3,6	0	100%	3	3	100%
Clorofórmio (µg/L)	---	<0,4	11	---	---	3	3	100%
Bromofórmio (µg/L)	---	<0,5	0,98	---	---	3	3	100%
Bromodiclorometano (µg/L)	---	<0,5	3,9	---	---	3	3	100%
Dibromoclorometano (µg/L)	---	<0,50	6,7	---	---	3	3	100%
Sódio (mg/L Na)	200	11	45	0	100%	2	2	100%
Sulfatos (mg/L SO ₄)	250	<10	16	0	100%	2	2	100%
Alfa total (Bq/l)	<0,05	---	<0,04	0	100%	2	2	100%
Dose indicativa (mSv/ano)	<0,10	---	<0,10	0	100%	2	2	100%
Radão (Bq/l)	500	---	<10	0	100%	2	2	100%
Pesticidas - total (µg/L):	0,5	---	<0,03	0	100%	2	2	100%
Alacloro (µg/L)	0,10	---	<0,03	0	100%	2	2	100%
Bentazona (µg/L)	0,10	---	<0,025	0	100%	2	2	100%
Clorpirifos (µg/L)	0,10	---	<0,03	0	100%	2	2	100%
Desetiltterbutilazina (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	---	<0,025	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	---	<0,03	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%
Desetiltterbutilazina (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 Mó, Sistema de Glide, Sistema de Vilar de Elriço (fontanário origem única de água), Sistema de

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, Seixo e Almansor,

Data de publicação: 12/05/2020

NOTA 3: Zonas de abastecimento controladas: Sistema Central, Sistema de Seixo, Sistema de Almansor, Sistema de Molinho, Sistema de M4, Sistema de Gilde, Sistema de Vilar de Erigo (fontanário origem única de água), Sistema de 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, Seixo e Almansor,

Data de publicação: 12/05/2020



1º Trimestre de 2020

Data da publicação: 12/05/2020



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Almancor" - União de Freguesias de Raiva, Pedrido e Paraíso
1º Trimestre de 2020

4

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	19	1	50%	2	2	100%
Bactérias coliformes (N/100 ml)	0	0	76	1	50%	2	2	100%
Desinfetante residual (mg/L)	---	0,4	0,6	---	---	2	2	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/t Sb)	5,0	---	---	---	---	---	---	---
Arsénio (µg/t As)	10	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Boro (mg/t 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	---	---	---	---	---	---	---
Tetracloreto e Tricloroetano (µg/L):	10	---	---	---	---	---	---	---
Tetracloreto (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	---	---	---	---	---	---	---
Beta total (Bq/l)	<0,10	---	---	---	---	---	---	---
Dose indicativa (mSv/ano)	<0,10	---	---	---	---	---	---	---
Radão (Bq/l)	500	---	---	---	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
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): não foi possível identificar a causa dos incumprimentos detetados no Sistema de Almancor, relativos às bactérias coliformes e Escherichia coli já que as análises posteriores revelaram que as situações estavam normalizadas.								
						Data de publicação: 12/05/2020		



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Gilde" - Freguesia de Real
1º Trimestre de 2020

1

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)	---	0,3	0,6	---	---	2	2	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 BrO ₃)	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 CaCO ₃)	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---
Tetracloreto e Tricloroetano (µg/L):	10	---	---	---	---	---	---	---
Tetracloreto (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 SO ₄)	250	---	---	---	---	---	---	---
Alfa total (Bq/l)	<0,05	---	---	---	---	---	---	---
Dose indicativa (mSv/ano)	<0,10	---	---	---	---	---	---	---
Radão (Bq/l)	500	---	---	---	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Bentazona (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirifos (µg/L)	0,10	---	---	---	---	---	---	---
Desetilerbutilazina (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	---	---	---	---	---	---	---
Desetilerbutilazina (µg/L)	---	---	---	---	---	---	---	---
Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): Nada a registar.								
						Data da publicação: 12/05/2020		



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Mó" - União de Freguesias de Raiva, Pedorido e Paraíso
1º Trimestre de 2020

8

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)	---	0,4	0,5	---	---	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	---	270	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 ≤8	---	6,9	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%
Ferro (µg/L Fe)	200	---	<50	0	100%	1	1	100%
Manganês (µg/L Mn)	50	---	<15	0	100%	1	1	100%
Mercurio(µg/L Hg)	1,0	---	<0,2	---	---	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	0	100%	1	1	100%
Arsénio (µg/L As)	10	---	<3	0	100%	1	1	100%
Benzano (µg/L)	1,0	---	<3	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0,010	---	<0,005	0	100%	1	1	100%
Boro (mg/L B)	1,0	---	<0,3	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)	---	---	18	---	---	1	1	100%
Chumbo (µg/L Pb)	10	---	<1	0	100%	1	1	100%
Cianetos (µg/L CN)	50	---	<15	0	100%	1	1	100%
Cobre (mg/L Cu)	2,0	---	0,3	0	100%	1	1	100%
Crómio (µg/L Cr)	50	---	<2	0	100%	1	1	100%
1-2 Dicloroetano (µg/L)	3,0	---	<0,25	0	100%	1	1	100%
Dureza total (mg/L CaCO3)	---	---	130	---	---	1	1	100%
Amónio (mg/L NH ₄)	0,50	---	<0,02	0	100%	1	1	100%
Nitratos (mg/L NO ₃)	50	---	<10	0	100%	1	1	100%
Oxidabilidade (mg/L O ₂)	5	---	<1,5	0	100%	1	1	100%
Fluoretos (mg/L F)	1,5	---	0,2	0	100%	1	1	100%
Magnésio (mg/L Mg)	---	---	20	---	---	1	1	100%
Níquel (µg/L Ni)	20	---	7	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	0	100%	1	1	100%
Indeno(1,2,3-cd)pireno(µg/L)	---	---	<0,01	0	100%	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	---	<0,5	0	100%	1	1	100%
Tetracloreto (µg/L)	---	---	<0,5	---	---	1	1	100%
Tricloroetano (µg/L)	---	---	<0,5	---	---	1	1	100%
Trihalometanos - total (µg/L):	100	---	<0,5	0	100%	1	1	100%
Clorofórmio(µg/L)	---	---	<0,4	---	---	1	1	100%
Bromofórmio(µg/L)	---	---	<0,5	---	---	1	1	100%
Bromodiclorometano(µg/L)	---	---	<0,5	---	---	1	1	100%
Dibromoclorometano(µg/L)	---	---	<0,5	---	---	1	1	100%
Sódio (mg/L Na)	200	---	11	0	100%	1	1	100%
Sulfatos (mg/L SO4)	250	---	16	0	100%	1	1	100%
Alfa total (Bq/l)	<0,05	---	<0,03	0	100%	1	1	100%
Dose indicativa (mSv/ano)	<0,10	---	<0,1	0	100%	1	1	100%
Radão (Bq/l)	500	---	<10	0	100%	1	1	100%
Pesticidas - total (µg/L):	0,5	---	<0,03	0	100%	1	1	100%
Alacloro (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Bentazona (µg/L)	0,10	---	<0,025	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	---	<0,025	0	100%	1	1	100%
Metolacloro (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	---	<0,03	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	---	---	1	1	100%

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

Data da publicação: 12/05/2020



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Moinho" - Freguesia de Real
1º Trimestre de 2020

8

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)	---	---	0,6	---	---	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	---	210	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 ≤8	---	7,3	0	100%	1	1	100%
Cheiro a 25°C (Factor de diluição)	3	---	<1	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%
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	0	100%	1	1	100%
Arsénio (µg/L As)	10	---	<3	0	100%	1	1	100%
Benzeno (µg/L)	1,0	---	<3	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0,010	---	<0,005	0	100%	1	1	100%
Boro (mg/L B)	1,0	---	<0,3	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	---	<1	0	100%	1	1	100%
Cianetos (µg/L CN)	50	---	<15	0	100%	1	1	100%
Cobre (mg/L Cu)	2,0	---	<0,3	0	100%	1	1	100%
Crómio (µg/L Cr)	50	---	<0,2	0	100%	1	1	100%
Nitratos (mg/L NO ₃)	50	---	<10	0	100%	1	1	100%
1-2 Dicloroetano (µg/L)	3,0	---	<0,25	0	100%	1	1	100%
Dureza total (mg/L CaCO3)	---	---	<17	---	---	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)	---	---	2,8	---	---	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	---	<0,01	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%
Selénio (µg/L Se)	10	---	<3	0	100%	1	1	100%
Cloretos (mg/L Cl)	250	---	<10	0	100%	1	1	100%
Tetracloroetano e Tricloroetano (µg/L):	10	---	<0,5	0	100%	1	1	100%
Tetracloroetano (µg/L)	---	---	<0,5	---	---	1	1	100%
Tricloroetano (µg/L)	---	---	<0,5	---	---	1	1	100%
Trihalometanos - total (µg/L):	100	---	3,6	0	100%	1	1	100%
Clorofórmio(µg/L)	---	---	0,59	---	---	1	1	100%
Bromofórmio(µg/L)	---	---	0,58	---	---	1	1	100%
Bromodiclorometano(µg/L)	---	---	0,76	---	---	1	1	100%
Dibromoclorometano(µg/L)	---	---	1,3	---	---	1	1	100%
Sódio (mg/L Na)	200	---	45	0	100%	1	1	100%
Sulfatos (mg/L SO4)	250	---	<30	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	---	<10	0	100%	1	1	100%
Pesticidas - total (µg/L):	0,5	---	<0,03	0	100%	1	1	100%
Alacloro (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Bentazona (µg/L)	0,10	---	<0,025	0	100%	1	1	100%
Clorpirifos (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Desetilterbutiazina (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	---	<0,025	0	100%	1	1	100%
Metolaclo (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Terbutiazina (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Ometoato (µg/L)	0,10	---	<0,03	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%
Desetilterbutiazina (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.

Data de publicação: 12/05/2020



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Nogueira" - União de Freguesias de Raiva, Pedrido e Paraíso
1º Trimestre de 2020

1

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCOA)		% 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)	---	---	0,8	---	---	1	1	100%
Controlo Rotina 2								
Número de colónias a 22 °C (N/ml)	Sem alteração anómala	---	---	---	---	---	---	---
Número de colónias a 37 °C (N/ml)	Sem alteração anómala	---	---	---	---	---	---	---
Condutividade (µS/cm a 20°C)	2500	---	---	---	---	---	---	---
Enterococos (N/100 ml)	0	---	---	---	---	---	---	---
Cor (mg/L PtCo)	20	---	---	---	---	---	---	---
pH (Unidades pH)	≥6,5 e ≤8	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---
Beta total (Bq/l)	<0,10	---	---	---	---	---	---	---
Dose indicativa (mSv/ano)	<0,10	---	---	---	---	---	---	---
Radão (Bq/l)	500	---	---	---	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
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.								
						Data da publicação: 12/05/2020		



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Sistema do Seixo" - Freguesia de Real
1º Trimestre de 2020

Handwritten signature

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	3	1	50%	2	2	100%
Bactérias coliformes (N/100 ml)	0	0	10	1	50%	2	2	100%
Desinfetante residual (mg/L)	---	0,2	0,5	---	---	2	2	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)	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
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): não foi possível identificar a causa dos incumprimentos detetados no Sistema do Seixo relativos às bactérias coliformes e *Escherichia coli* já que as análises posteriores revelaram que as situações estavam normalizadas.

Data da publicação: 12/05/2020



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Vila de Elirio" - União de Freguesias de Sobrado e Bairros
1º Trimestre de 2020

Handwritten signature

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 ≤8	---	---	---	---	---	---	---
Cheiro a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Oxidabilidade (mg/l O ₂)	5	---	---	---	---	---	---	---
Sabor a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Turvação (NTU)	4	---	---	---	---	---	---	---
Controlo de Inspecção								
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	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Bentazona (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirifos (µg/L)	0,10	---	---	---	---	---	---	---
Desetilterbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Dimetoato (µg/L)	0,10	---	---	---	---	---	---	---
Dixão (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.

Data da publicação: 12/05/2020