



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 2º 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, 15 de julho 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 ¹ DO CONCELHO DE CASTELO DE PAIVA					EDITAL n.º 61	
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).							2º TRIMESTRE 2020 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	19	0	100%	21	21	100%
Bactérias coliformes (N/100 ml)	0	—	0	0	100%	21	21	100%
Desinfetante residual (mg/L)	---	0,4	0,8	---	---	21	21	100%
Controlo Rotina 2								
Enterococos (N/100 mL)	0	---	0	0	100%	10	10	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	<1	26	---	---	10	10	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	<1	1	---	---	10	10	100%
Condutividade (µS/cm a 20°C)	2500	130	210	0	100%	10	10	100%
Cor (mg/L PtCo)	20	<2	2,2	0	100%	10	10	100%
pH (Unidades pH)	≥6,5 e ≤9	6,5	7,9	0	100%	10	10	100%
Manganês (µg/L Mn)	50	---	<15	0	100%	10	10	100%
Nitratos (mg/L NO ₃)	50	---	<10	0	100%	5	5	100%
Oxidabilidade (mg/L O ₂)	5	---	<1,5	0	100%	5	5	100%
Cheiro a 25°C (Factor de diluição)	3	---	<1	0	100%	10	10	100%
Sabor a 25°C (Factor de diluição)	3	---	<1	0	100%	10	10	100%
Turvação (NTU)	4	---	<0,5	0	100%	10	10	100%
Controlo de Inspeção								
Amónio (mg/L NH ₄)	0,50	---	<0,02	0	100%	5	5	100%
Alumínio (µg/L Al)	200	<30	35	0	100%	5	5	100%
Clostridium perfringens (N/100ml)	0	0	8	1	90%	10	10	100%
Ferro (µg/L Fe)	200	---	<50	0	100%	10	10	100%
Nitritos (mg/L NO ₂)	0,5	---	<0,02	0	100%	3	3	100%
Antimónio (µg/L Sb)	5,0	<1,5	2,5	0	100%	5	5	100%
Arsénio (µg/L As)	10	<3	3	0	100%	5	5	100%
Benzeno (µg/L)	1,0	---	<0,3	0	100%	5	5	100%
Benzo(a)pireno (µg/L)	0,010	---	<0,005	0	100%	5	5	100%
Boro (mg/L B)	1,0	---	<0,3	0	100%	5	5	100%
Bromatos (µg/L BrO ₃)	10,0	---	<3	0	100%	5	5	100%
Cádmio (µg/L Cd)	5,0	---	<1	0	100%	5	5	100%
Cálcio (mg/L Ca)	---	5	22	0	100%	5	5	100%
Chumbo (µg/L Pb)	10	---	<3	0	100%	5	5	100%
Cianetos (µg/L CN)	50	---	<15	0	100%	5	5	100%
Cobre (mg/L Cu)	2,0	---	<0,3	0	100%	5	5	---
Crómio (µg/L Cr)	50	---	<2	0	100%	5	5	100%
1-2 Dicloroetano (µg/L)	3,0	---	<0,25	0	100%	5	5	100%
Dureza total (mg/L CaCO ₃)	---	22	62	---	---	5	5	100%
Fluoretos (mg/L F)	1,5	<0,1	0,1	---	100%	5	5	100%
Magnésio (mg/L Mg)	---	1,7	5,3	---	---	5	5	100%
Mercurio (µg/L Hg)	1,0	---	<0,2	0	100%	5	5	100%
Níquel (µg/L Ni)	20	---	<5	0	100%	5	5	100%
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,010	0	100%	5	5	100%
Benzo(b)fluoranteno (µg/L)	---	---	<0,01	---	---	5	5	100%
Benzo(k)fluoranteno (µg/L)	---	---	<0,01	---	---	5	5	100%
Benzo(ghi)perileno (µg/L)	---	---	<0,01	---	---	5	5	100%
Indeno(1,2,3-cd)pireno (µg/L)	---	---	<0,01	---	---	5	5	100%
Selénio (µg/L Se)	10	---	<3	0	100%	5	5	100%
Cloretos (mg/L Cl)	250	<10	10	0	100%	5	5	100%
Tetracloroetano e Tricloroetano (µg/L):	10	---	<0,5	0	100%	5	5	100%
Tetracloroetano (µg/L)	---	---	<0,5	---	---	5	5	100%
Tricloroetano (µg/L)	---	---	<0,5	---	---	5	5	100%
Trihalometanos - total (µg/L):	100	<0,5	1,1	0	100%	5	5	100%
Clorofórmio (µg/L)	---	<0,4	0,55	---	---	5	5	100%
Bromofórmio (µg/L)	---	<0,5	0,85	---	---	5	5	100%
Bromodiclorometano (µg/L)	---	---	<0,5	---	---	5	5	100%
Dibromodiclorometano (µg/L)	---	<0,50	0,93	---	---	5	5	100%
Sódio (mg/L Na)	200	5	32	0	100%	5	5	100%
Sulfatos (mg/L SO ₄)	250	22	41	0	100%	5	5	100%
Alfa total (Bq/l)	<0,05	---	<0,04	0	100%	5	5	100%
Dose indicativa (mSv/ano)	<0,10	---	<0,10	0	100%	5	5	100%
Radão (Bq/l)	500	16,5	154	0	100%	5	5	100%
Pesticidas - total (µg/L):	0,5	---	<0,03	0	100%	5	5	100%
Alacloro (µg/L)	0,10	---	<0,03	0	100%	5	5	100%
Bentazona (µg/L)	0,10	---	<0,025	0	100%	5	5	100%
Clorpirifos (µg/L)	0,10	---	<0,03	0	100%	5	5	100%
Desetiltterbutilazina (µg/L)	0,10	---	<0,03	0	100%	5	5	100%
Dimetoato (µg/L)	0,10	---	<0,03	0	100%	5	5	100%
Diurão (µg/L)	0,10	---	<0,03	0	100%	5	5	100%
MCPA (µg/L)	0,10	---	<0,025	0	100%	5	5	100%
Metolaclo (µg/L)	0,10	---	<0,03	0	100%	5	5	100%
Terbutilazina (µg/L)	0,10	---	<0,03	0	100%	5	5	100%
Ometoato (µg/L)	0,10	---	<0,03	0	100%	5	5	100%
Imidaclopride (µg/L)	0,10	---	<0,03	0	100%	5	5	100%
Simazina (µg/L)	0,10	<0,03	<0,05	0	100%	5	5	100%
Desetilsimazina (µg/L)	0,10	---	<0,03	0	100%	5	5	100%
NOTA 1: Zonas de abastecimento controladas: Sistema Central, Sistema de Selxo, Sistema de Almansôr, Sistema de Molinho, Sistema de Mó, Sistema de Gilde, Sistema de Vilar de Eirigo (fontanário origem única de água) e Sistema de Vagueira (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 incumprimento detetado no Sistema Central relativo ao parâmetro de Clostridium perfringens já que as análises posteriores revelaram que as situações estavam normalizadas.								
						Data da publicação: 15/07/2020		

NOTA 1: Zonas de abastecimento controladas: Sistema Central, Sistema de Selxo, Sistema de Almansôr, Sistema de Moimho, Sistema de M6, Sistema de Gilde, Sistema de Vilar de Eirigo (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 incumprimento detetado no Sistema Central relativo ao parâmetro de Clostridium perfringens já que as análises posteriores revelaram que as situações estavam normalizadas.

Data da publicação: 15/07/2020

Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Sistema Central"
(Abrange todas as freguesias do Concelho)
2º 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	0	100%	12	12	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	12	12	100%
Desinfetante residual (mg/L)	---	0,6	0,8	---	---	12	12	100%
Controlo Rotina 2								
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	<1	1	---	---	5	5	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	<1	1	---	---	5	5	100%
Condutividade (µS/cm a 20°C)	2500	150	190	0	100%	5	5	100%
Cor (mg/L PtCo)	20	---	<2	0	100%	5	5	100%
pH (Unidades pH)	≥6,5 e ≤9	7,4	7,9	0	100%	5	5	100%
Ferro (µg/L Fe)	200	---	<50	0	100%	5	5	100%
Clostridium perfringens (N/100ml)	0	0	8	1	80%	5	5	100%
Enterococos (N/100 ml)	0	---	0	0	100%	5	5	100%
Cheiro a 25°C (Factor de diluição)	3	---	<1	0	100%	5	5	100%
Sabor a 25°C (Factor de diluição)	3	---	<1	0	100%	5	5	100%
Turbidez (NTU)	4	---	<0,5	0	100%	5	5	100%
Controlo de Inspeção								
Amónio (mg/L NH ₄)	0,50	---	---	---	---	---	---	---
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Cloratos (mg/L)	0,7	---	---	---	---	---	---	---
Cloritos (mg/L)	0,7	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Dureza total (mg/L CaCO ₃)	---	---	---	---	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
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)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	---	---	---	---	---	---
Dibromoclorometano(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 Central, relativo ao parâmetro de Clostridium perfringens, já que a análise posterior revelou que a situação estava normalizada.								
						Data da publicação: 15/07/2020		

Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Almansor" - União de Freguesias de Raiva, Pedrido e Paraíso
2º Trimestre de 2020

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 ºC (N/ml)	Sem alteração anormal	---	<1	---	---	1	1	100%
Número de colónias a 37 ºC (N/ml)	Sem alteração anormal	---	<1	---	---	1	1	100%
Condutividade (µS/cm a 20ºC)	2500	---	150	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	---	6,8	0	100%	1	1	100%
Cheiro a 25ºC (Factor de diluição)	3	---	<1	0	100%	1	1	100%
Sabor a 25ºC (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%
Ferro (µg/L Fe)	200	---	<50	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	---	<0,005	0	100%	1	1	100%
Boro (mg/L B)	1,0	---	<0,3	0	100%	1	1	100%
Bromatos (µg/L BrO3)	10,0	---	<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)	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)	---	---	22	---	---	1	1	100%
Amónio (mg/L NH ₄)	0,50	---	<0,02	0	100%	1	1	100%
Manganês (µg/L Mn)	50	---	<15	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	---	<0,1	0	100%	1	1	100%
Magnésio (mg/L Mg)	---	---	2,2	0	100%	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%
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	---	<0,50	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	---	28	0	100%	1	1	100%
Sulfatos (mg/L SO4)	250	---	41	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	---	16,5	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%
Desetiltetrbutilazina (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%
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	---	<0,05	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.								
						Data da publicação: 15/07/2020		

Resumo do Controlo Analítico da Qualidade da Água

Zona de abastecimento "Mó" - União de Freguesias de Raiva, Pedrido e Paraíso
2º Trimestre de 2020

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	---	---	---	---	---	---	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	100%
Condutividade (µS/cm a 20°C)	2500	---	---	---	---	---	---	100%
Enterococos (N/100 mL)	0	---	---	---	---	---	---	100%
Cor (mg/L PtCo)	20	---	---	---	---	---	---	100%
pH (Unidades pH)	≥6,5 e ≤9	---	---	---	---	---	---	100%
Cheiro a 25°C (Factor de diluição)	3	---	---	---	---	---	---	100%
Sabor a 25°C (Factor de diluição)	3	---	---	---	---	---	---	100%
Turvação (NTU)	4	---	---	---	---	---	---	100%
Ferro (µg/L Fe)	200	---	---	---	---	---	---	100%
Manganês (µg/L Mn)	50	---	---	---	---	---	---	100%
Mercúrio (µg/L Hg)	1,0	---	---	---	---	---	---	100%
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	---	---	---	---	---	100%
Clostridium perfringens (N/100ml)	0	---	---	---	---	---	---	100%
Nitritos (mg/L NO ₂)	0,5	---	---	---	---	---	---	100%
Antimónio (µg/L Sb)	5,0	---	---	---	---	---	---	100%
Arsénio (µg/L As)	10	---	---	---	---	---	---	100%
Benzeno (µg/L)	1,0	---	---	---	---	---	---	100%
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	100%
Boro (mg/L B)	1,0	---	---	---	---	---	---	100%
Bromatos (µg/L BrO3)	10,0	---	---	---	---	---	---	100%
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	100%
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	100%
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	100%
Cianetos (µg/L CN)	50	---	---	---	---	---	---	100%
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	100%
Crómio (µg/L Cr)	50	---	---	---	---	---	---	100%
1-2 Dicloroetano (µg/L)	3,0	---	---	---	---	---	---	100%
Dureza total (mg/L CaCO3)	---	---	---	---	---	---	---	100%
Amónio (mg/L NH ₄)	0,50	---	---	---	---	---	---	100%
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	100%
Oxidabilidade (mg/L O ₂)	5	---	---	---	---	---	---	100%
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	100%
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	100%
Níquel (µg/L Ni)	20	---	---	---	---	---	---	100%
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	---	---	---	---	---	100%
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	100%
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	100%
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	100%
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	---	---	100%
Selénio (µg/L Se)	10	---	---	---	---	---	---	100%
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	100%
Tetracloroetano e Tricloroetano (µg/L):	10	---	---	---	---	---	---	100%
Tetracloroetano (µg/L)	---	---	---	---	---	---	---	100%
Tricloroetano (µg/L)	---	---	---	---	---	---	---	100%
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	100%
Clorofórmio (µg/L)	---	---	---	---	---	---	---	100%
Bromofórmio (µg/L)	---	---	---	---	---	---	---	100%
Bromodiclorometano (µg/L)	---	---	---	---	---	---	---	100%
Dibromodiclorometano (µg/L)	---	---	---	---	---	---	---	100%
Sódio (mg/L Na)	200	---	---	---	---	---	---	100%
Sulfatos (mg/L SO ₄)	250	---	---	---	---	---	---	100%
Alfa total (Bq/l)	<0,05	---	---	---	---	---	---	100%
Dose indicativa (mSv/ano)	<0,10	---	---	---	---	---	---	100%
Radão (Bq/l)	500	---	---	---	---	---	---	100%
Pesticidas - total (µg/L):	0,5	---	---	---	---	---	---	100%
Alacloro (µg/L)	0,10	---	---	---	---	---	---	100%
Bentazona (µg/L)	0,10	---	---	---	---	---	---	100%
Clorpirifos (µg/L)	0,10	---	---	---	---	---	---	100%
Desetilterbutilazina (µg/L)	0,10	---	---	---	---	---	---	100%
Dimetoato (µg/L)	0,10	---	---	---	---	---	---	100%
Diurão (µg/L)	0,10	---	---	---	---	---	---	100%
MCPA (µg/L)	0,10	---	---	---	---	---	---	100%
Metolaclo (µg/L)	0,10	---	---	---	---	---	---	100%
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	100%
Ometoato (µg/L)	0,10	---	---	---	---	---	---	100%
Imidaclopride (µg/L)	0,10	---	---	---	---	---	---	100%
Simazina (µg/L)	0,10	---	---	---	---	---	---	100%
Desetilsimazina (µg/L)	---	---	---	---	---	---	---	100%
Informação complementar relativa à averiguação das situações de Incumprimento dos VP (causas e medidas correctivas): Nada a registar.								
						Data da publicação: 15/07/2020		

Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Sistema do Seixo" - Freguesia de Real
2º Trimestre de 2020

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	---	<1	0	100%	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	<1	0	100%	1	1	100%
Condutividade (µS/cm a 20°C)	2500	---	170	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	---	7,1	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	---	<1,5	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	---	<0,005	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	0	100%	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	---	<0,3	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	---	<0,25	0	100%	1	1	100%
Dureza total (mg/L CaCO3)	---	---	22	---	---	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)	---	---	2,4	---	---	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%
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	---	1,8	0	100%	1	1	100%
Clorofórmio (µg/L)	---	---	<0,4	---	---	1	1	100%
Bromofórmio (µg/L)	---	---	0,85	---	---	1	1	100%
Bromodiclorometano (µg/L)	---	---	<0,5	---	---	1	1	100%
Dibromodiclorometano (µg/L)	---	---	0,93	---	---	1	1	100%
Sódio (mg/L Na)	200	---	32	0	100%	1	1	100%
Sulfatos (mg/L SO4)	250	---	22	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	---	49,5	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%
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	---	<0,03	0	100%	1	1	100%
Imidaclopride (µg/L)	0,10	---	<0,03	0	100%	1	1	100%
Simazina (µg/L)	0,10	---	<0,05	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.						1	1	100%
						Data de publicação: 15/07/2020		

Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Gilde" - Freguesia de Real
2º 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
		Mín/mo	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)	---	---	0,4	---	---	1	1	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 ≤9	---	7,1	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%
Turbidez (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	---	2,5	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	---	<0,005	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)	---	---	9	---	---	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	---	<0,3	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	---	<0,25	0	100%	1	1	100%
Dureza total (mg/L CaCO3)	---	---	44	---	---	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)	---	---	5,3	---	---	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%
Cloreto (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	---	31	0	100%	1	1	100%
Sulfatos (mg/L SO4)	250	---	29	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	---	71,4	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	---	<0,303	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%
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	---	<0,03	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%
Desetilsimazina (µg/L)	---	---	---	---	---	1	1	100%
Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): Nada a registar.								
						Data da publicação: 15/07/2020		

Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Moinho" - Freguesia de Real
2º Trimestre de 2020

h

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)	---	---	0,4	---	---	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	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---
Cloreto (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): Nada a registar.								
						Data da publicação: 15/07/2020		

Resumo do Controlo Analítico da Qualidade da Água

Zona de abastecimento "Vilar de Eirigo" - União de Freguesias de Sobrado e Bairros

2º Trimestre de 2020

✓

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	25	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	2	2	100%
Desinfetante residual (mg/L)	---	---	0,8	---	---	2	2	100%
Controlo Rotina 2								
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	---	26	0	100%	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	<1	0	100%	1	1	100%
Condutividade (µS/cm a 20°C)	2500	---	170	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	---	6,7	0	100%	1	1	100%
Cheiro a 25°C (Factor de diluição)	3	---	<1	0	100%	1	1	100%
Oxidabilidade (mg/L O ₂)	5	---	<1,5	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	---	35	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	---	<0,005	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)	---	---	22	---	---	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	---	<0,3	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	---	<0,25	0	100%	1	1	100%
Dureza total (mg/L CaCO3)	---	---	62	---	---	1	1	100%
Amónio (mg/L NH ₄)	0,50	---	<0,02	0	100%	1	1	100%
Fluoretos (mg/L F)	1,5	---	0,1	0	100%	1	1	100%
Magnésio (mg/L Mg)	---	---	1,7	---	---	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	---	0,63	0	100%	1	1	100%
Clorofórmio(µg/L)	---	---	<0,4	---	---	1	1	100%
Bromoformio(µg/L)	---	---	<0,5	---	---	1	1	100%
Bromodiclorometano(µg/L)	---	---	<0,5	---	---	1	1	100%
Dibromodiclorometano(µg/L)	---	---	0,63	---	---	1	1	100%
Sódio (mg/L Na)	200	---	5	0	100%	1	1	100%
Sulfatos (mg/L SO4)	250	---	24	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	---	154	0	100%	1	1	100%
Pesticidas - total (µg/L):	0,5	---	<0,03	0	100%	1	1	100%
Atraclo (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	---	<0,05	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%
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: 15/07/2020		

Resumo do Controlo Analítico da Qualidade da Água

Zona de abastecimento "Nogueira" - União de Freguesias de Raiva, Pedrido e Paraíso
2º Trimestre de 2020

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
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	0,8	---	---	2	2	100%
Controlo Rotina 2								
Número de colónias a 22 ºC (N/ml)	Sem alteração anormal	---	<1	0	100%	1	1	100%
Número de colónias a 37 ºC (N/ml)	Sem alteração anormal	---	<1	0	100%	1	1	100%
Condutividade (µS/cm a 20ºC)	2500	---	130	0	100%	1	1	100%
Enterococos (N/100 mL)	0	---	0	0	100%	1	1	100%
Cor (mg/L PtCo)	20	---	2,2	0	100%	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9	---	6,5	0	100%	1	1	100%
Chelro a 25ºC (Factor de diluição)	3	---	<1	0	100%	1	1	100%
Sabor a 25ºC (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	---	<0,005	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)	---	---	16	---	---	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	---	<0,3	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	---	<0,25	0	100%	1	1	100%
Dureza total (mg/L CaCO3)	---	---	47	---	---	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)	---	---	1,7	---	---	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	---	<0,03	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	---	1,1	0	100%	1	1	100%
Clorofórmio(µg/L)	---	---	0,55	---	---	1	1	100%
Bromofórmio(µg/L)	---	---	0,55	---	---	1	1	100%
Bromodiclorometano(µg/L)	---	---	<0,5	---	---	1	1	100%
Dibromoclorometano(µg/L)	---	---	<0,5	---	---	1	1	100%
Sódio (mg/L Na)	200	---	5	0	100%	1	1	100%
Sulfatos (mg/L SO4)	250	---	32	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	---	88,6	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%
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	---	<0,03	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: 15/07/2020