



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 2019.

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, 29 de maio de 2019

O Presidente da Câmara Municipal,



(Gonçalo Rocha, Dr.)

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).

1.º TRIMESTRE 2014
1.ª jornada
21 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			Agendadas	Realizadas	
Controlo Rotina 1								
Escherichia coli (N/100 ml)	0	---	0	0	100%	23	23	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	23	23	100%
Desinfetante residual (mg/L)	---	0,3	1	---	---	23	23	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	0	>300	---	---	6	6	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	0	>300	---	---	6	6	100%
Condutividade (µS/cm a 20°C)	2500	142	180	0	100%	6	6	100%
Cor (mg/L PtCo)	20	< 2	3	0	100%	6	6	100%
pH (Unidades pH)	≥6,5 e ≤9	7,4	8,2	0	100%	6	6	100%
Manganês (µg/L Mn)	50	0,5	< 15	0	100%	2	2	100%
Nitratos (mg/L NO ₃)	50	---	<10	0	100%	1	1	100%
Oxidabilidade (mg/L O ₂)	5	<1	1,2	0	100%	2	2	100%
Chelro a 25°C (Factor de diluição)	3	<1	1	0	100%	6	6	100%
Sabor a 25°C (Factor de diluição)	3	<1	1	0	100%	6	6	100%
Turvação (NTU)	4	<0,5	1	0	100%	6	6	100%
Controlo de Inspeção								
Amónio (mg/L NH ₄)	0,50	<0,02	0,05	0	100%	2	2	100%
Alumínio (µg/L Al)	200	5,4	30	0	100%	2	2	100%
Clostridium perfringens (N/100ml)	0	---	0	0	100%	6	6	100%
Ferro (µg/L Fe)	200	<50	60	0	100%	6	6	100%
Nitritos (mg/L NO ₂)	0,5	<0,02	0,1	0	100%	2	2	100%
Antimónio (µg/L Sb)	5,0	---	<3,5	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	0,005	0	100%	2	2	100%
Boro (mg/L B)	1,0	---	<0,3	0	100%	1	1	100%
Bromatos (µg/L BrO3)	10,0	---	< 5	0	100%	1	1	100%
Cádmio (µg/L Cd)	5,0	---	< 0,4	0	100%	1	1	100%
Cálcio (mg/L Ca)	---	< 5	29,6	---	---	2	2	100%
Chumbo (µg/L Pb)	10	1	<5	0	100%	2	2	100%
Cianetos (µg/L CN)	50	---	<15	0	100%	1	1	---
Cloratos (mg/L)	0,7	0,12	0,16	0	100%	2	2	100%
Cloritos (mg/L)	0,7	<0,01	0,56	0	100%	2	2	100%
Cobre (mg/L Cu)	2,0	---	0,0063	0	100%	2	2	100%
Crómio (µg/L Cr)	50	1	< 2	0	100%	2	2	100%
1-2 Diclouroetano (µg/L)	3,0	---	<0,3	0	100%	1	1	100%
Dureza total (mg/L CaCO3)	---	< 17	86	---	---	2	2	100%
Fluoretos (mg/L F)	1,5	---	0,1	---	100%	1	1	100%
Magnésio (mg/L Mg)	---	0,98	2,4	--	---	2	2	100%
Mercuríol(µg/L Hg)	1,0	---	< 0,2	0	100%	1	1	100%
Níquel (µg/L Ni)	20	2	<5	0	100%	2	2	100%
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	<0,01	<0,08	0	100%	2	2	100%
Benzo(b)fluoranteno (µg/L)	---	< 0,01	0,02	---	---	2	2	100%
Benzo(k)fluoranteno (µg/L)	---	< 0,01	0,02	---	---	2	2	100%
Benzo(ghi)perileno (µg/L)	---	< 0,01	0,02	---	---	2	2	100%
Indeno(1,2,3-cd)pireno(µg/L)	---	< 0,01	0,02	---	---	2	2	100%
Selénio (µg/L Se)	10	---	<2	0	100%	1	1	100%
Cloretos (mg/L Cl)	250	---	10	0	100%	1	1	100%
Tetracloroeteno e Tricloroeteno (µg/L):	10	---	<0,5	0	100%	1	1	100%
Tetracloroeteno (µg/L)	---	---	<0,5	---	---	1	1	100%
Tricloroeteno (µg/L)	---	---	<0,5	---	---	1	1	100%
Trihalometanos - total (µg/L):	100	1,5	18,3	0	100%	1	1	100%
Clorofórmio (µg/L)	---	0,85	11	---	---	2	2	100%
Bromofórmio (µg/L)	---	0,2	0,69	0	---	2	2	100%
Bromodiclorometano (µg/L)	---	<0,5	5,08	0	---	2	2	100%
Dibromoclorometano (µg/L)	---	<0,50	2,21	---	---	2	2	100%
Sódio (mg/L Na)	200	---	28	0	100%	1	1	100%
Sulfatos (mg/L SO4)	250	---	11	0	100%	1	1	100%
Alfa total (Bq/l)	<0,05	---	<0,01	0	100%	1	1	100%
Beta total (Bq/l)	<0,10	---	<0,02	0	100%	1	1	100%
Dose indicativa (mSv/ano)	<0,10	---	<0,10	0	100%	1	1	100%
Radão (Bq/l)	500	---	12	0	100%	1	1	100%
Pesticidas - total (µg/L):	0,5	---	<0,10	0	100%	1	1	100%
Alacloro (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Bentazona (µg/L)	0,10	---	<0,025	0	100%	1	1	100%
Clorpirifos (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Desetilterbutilazina (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Dimetoato (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Diurão (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
MCPA (µg/L)	0,10	---	<0,025	0	100%	1	1	100%
Metolacloro (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Terbutilazina (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Ometoato (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Imidaclopride (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Simazina (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Desetilterbutilazina (µg/L)	---	---	<0,05	---	---	1	1	100%

NOTA 1: Zonas de abastecimento controladas: Sistema Central, Sistema de Seixo, Sistema de Almansôr, Sistema de Moinho, Sistema de M6, Sistema de Gilde, Sistema de Vilar de Elrigo (fontanário origem única de água), Sistema de

Informação complementar relativa à averiguação das situações de Incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos.

Data da publicação: 29/05/2019



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Sistema Central"
(Abrange todas as freguesias do Concelho)
1º Trimestre de 2019

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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)	---	0,5	1	---	---	12	12	100%
Controlo Rotina 2								
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	0	>300	---	---	5	5	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	0	>300	---	---	5	5	100%
Condutividade (µS/cm a 20°C)	2500	142	180	0	100%	5	5	100%
Cor (mg/L PtCo)	20	<2	3	0	100%	5	5	100%
pH (Unidades pH)	≥6,5 e ≤9	7,4	8	0	100%	5	5	100%
Ferro (µg/L Fe)	200	<50	60	0	100%	5	5	100%
Clostridium perfringens (N/100ml)	0	---	0	0	100%	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%
Turvação (NTU)	4	<0,5	1	0	100%	5	5	100%
Controlo de Inspeção								
Amónio (mg/L NH ₄)	0,50	---	0,05	0	100%	1	1	100%
Alumínio (µg/L Al)	200	---	5,4	0	100%	1	1	100%
Nitritos (mg/L NO ₂)	0,5	---	0,1	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0,010	---	0,05	0	100%	1	1	100%
Cloratos (mg/L)	0,7	---	0,16	0	100%	1	1	100%
Cloritos (mg/L)	0,7	---	0,56	0	100%	1	1	100%
Cálcio (mg/L Ca)	---	---	29,6	0	---	1	1	100%
Chumbo (µg/L Pb)	10	---	1	0	100%	1	1	100%
Cobre (mg/L Cu)	2,0	---	0,0063	0	100%	1	1	100%
Dureza total (mg/L CaCO ₃)	---	---	86	0	100%	1	1	100%
Oxidabilidade (mg/L O ₂)	5	---	1,2	0	100%	5	5	100%
Manganês (µg/L Mn)	50	---	0,5	0	100%	1	1	100%
Magnésio (mg/L Mg)	---	---	0,98	---	#VALOR!	1	1	100%
Níquel (µg/L Ni)	20	---	2	0	100%	1	1	100%
Crómio (µg/L Cr)	50	---	1	0	100%	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,08	0	100%	1	1	100%
Benzo(b)fluoranteno (µg/L)	---	---	<0,02	0	100%	1	1	100%
Benzo(k)fluoranteno (µg/L)	---	---	<0,02	0	100%	1	1	100%
Benzo(ghi)perileno (µg/L)	---	---	<0,02	0	100%	1	1	100%
Indeno(1,2,3-cd)pireno(µg/L)	---	---	<0,02	0	100%	1	1	100%
Trihalometanos - total (µg/L):	100	---	18,3	0	100%	1	1	100%
Clorofórmio(µg/L)	---	---	11	0	100%	1	1	100%
Bromofórmio(µg/L)	---	---	0,2	0	100%	1	1	100%
Bromodiclorometano(µg/L)	---	---	5,08	0	100%	1	1	100%
Dibromoclorometano(µg/L)	---	---	2,21	0	100%	1	1	100%
Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos								
						Data da publicação: 29/05/2019		



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Almansor" - União de Freguesias de Raiva, Pedorido e Paraíso
1º Trimestre de 2019

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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	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	---	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	---	8,2	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%
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	---	<3,5	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	---	<5	0	100%	1	1	100%
Cádmio (µg/L Cd)	5,0	---	<0,4	0	100%	1	1	100%
Cálcio (mg/L Ca)	---	---	<5	---	---	1	1	100%
Chumbo (µg/L Pb)	10	---	<5	0	100%	1	1	100%
Cianetos (µg/L CN)	50	---	<15	0	100%	1	1	100%
Cobre (mg/L Cu)	2,0	---	0,0063	0	100%	1	1	100%
Crómio (µg/L Cr)	50	---	<2	0	100%	1	1	100%
Cloritos (mg/L)	0,7	---	<0,01	0	100%	1	1	100%
1-2 Dicloroetano (µg/L)	3,0	---	<0,3	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%
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	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	---	<0,01	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	---	<2	0	100%	1	1	100%
Cloretos (mg/L Cl)	250	---	10	0	100%	1	1	100%
Cloratos (mg/L)	0,7	---	0,12	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	---	1,5	0	100%	1	1	100%
Clorofórmio(µg/L)	---	---	0,85	---	---	1	1	100%
Bromofórmio(µg/L)	---	---	0,69	---	---	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	---	11	0	100%	1	1	100%
Alfa total (Bq/l)	<0,05	---	<0,01	0	100%	1	1	100%
Beta total (Bq/l)	<0,10	---	<0,02	0	100%	1	1	100%
Dose indicativa (mSv/ano)	<0,10	---	<0,1	0	100%	1	1	100%
Radão (Bq/l)	500	---	12	0	100%	1	1	100%
Pesticidas - total (µg/L):	0,5	---	<0,050	0	100%	1	1	100%
Aflaclo (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Bentazona (µg/L)	0,10	---	<0,025	0	100%	1	1	100%
Clorpirifos (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Desetilterbutilazina (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Dimetoato (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Diurão (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
MCPA (µg/L)	0,10	---	<0,025	0	100%	1	1	100%
Metolaclo (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Terbutilazina (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Ometoato (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Imidaclopride (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Simazina (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Desetilterbutilazina (µg/L)	---	---	<0,05	---	---	1	1	100%
Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos								
						Data da publicação: 29/05/2019		



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Mó" - Freguesia de Real
1º Trimestre de 2019



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	---	---	---	---	---	---	---
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	---
Sabor a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Turvação (NTU)	4	---	---	---	---	---	---	---
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	<30	0	---	---	---	---
Clostridium perfringens (N/100ml)	0	---	0	0	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---	<0,02	0	---	---	---	---
Antimónio (µg/L Sb)	5,0	---	<3,5	0	---	---	---	---
Arsénio (µg/L As)	10	---	<3	0	---	---	---	---
Benzeno (µg/L)	1,0	---	<0,3	0	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	<0,005	0	---	---	---	---
Boro (mg/L B)	1,0	---	<0,3	0	---	---	---	---
Bromatos (µg/L BrO3)	10,0	---	<5	0	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	<0,4	0	---	---	---	---
Cálcio (mg/L Ca)	---	---	<5	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	<5	0	---	---	---	---
Cianetos (µg/L CN)	50	---	<15	0	---	---	---	---
Cobre (mg/L Cu)	2,0	---	0,0063	0	---	---	---	---
Crómio (µg/L Cr)	50	---	<2	0	---	---	---	---
Cloritos (mg/L)	0,7	---	<0,01	0	---	---	---	---
1-2 Dicloroetano (µg/L)	3,0	---	<0,3	0	---	---	---	---
Dureza total (mg/L CaCO3)	---	---	<17	---	---	---	---	---
Amónio (mg/L NH ₄)	0,50	---	<0,02	0	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	---	<1	0	---	---	---	---
Fluoretos (mg/L F)	1,5	---	0,1	0	---	---	---	---
Magnésio (mg/L Mg)	---	---	2,4	---	---	---	---	---
Mercurio(µg/L Hg)	1,0	---	<0,2	0	---	---	---	---
Níquel (µg/L Ni)	20	---	<5	0	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,01	0	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	<0,01	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	<0,01	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	<0,01	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	<0,01	---	---	---	---	---
Selénio (µg/L Se)	10	---	<2	0	---	---	---	---
Cloretos (mg/L Cl)	250	---	10	0	---	---	---	---
Cloratos (mg/L)	0,7	---	0,12	0	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L):	10	---	<0,5	0	---	---	---	---
Tetracloroetano (µg/L)	---	---	<0,5	---	---	---	---	---
Tricloroetano (µg/L)	---	---	<0,5	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	0,85	---	---	---	---	---
Bromofórmio (µg/L)	---	---	0,69	---	---	---	---	---
Bromodiclorometano (µg/L)	---	---	<0,5	---	---	---	---	---
Dibromodiclorometano (µg/L)	---	---	<0,5	---	---	---	---	---
Sódio (mg/L Na)	200	---	28	0	---	---	---	---
Sulfatos (mg/L SO4)	250	---	11	0	---	---	---	---
Alfa total (Bq/l)	<0,05	---	<0,01	0	---	---	---	---
Beta total (Bq/l)	<0,10	---	<0,02	0	---	---	---	---
Dose indicativa (mSv/ano)	<0,10	---	<0,1	0	---	---	---	---
Radão (Bq/l)	500	---	12	0	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	<0,050	0	---	---	---	---
Alacloro (µg/L)	0,10	---	<0,05	0	---	---	---	---
Bentazona (µg/L)	0,10	---	<0,025	0	---	---	---	---
Clorpirifos (µg/L)	0,10	---	<0,05	0	---	---	---	---
Desetilterbutilazina (µg/L)	0,10	---	<0,05	0	---	---	---	---
Dimetoato (µg/L)	0,10	---	<0,05	0	---	---	---	---
Diurão (µg/L)	0,10	---	<0,05	0	---	---	---	---
MCPA (µg/L)	0,10	---	<0,025	0	---	---	---	---
Metolaclo (µg/L)	0,10	---	<0,05	0	---	---	---	---
Terbutilazina (µg/L)	0,10	---	<0,05	0	---	---	---	---
Ometoato (µg/L)	0,10	---	<0,05	0	---	---	---	---
Imidaclopride (µg/L)	0,10	---	<0,05	0	---	---	---	---
Simazina (µg/L)	0,10	---	<0,05	0	---	---	---	---
Desetilterbutilazina (µg/L)	---	---	<0,05	---	---	---	---	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos

Data da publicação: 29/05/2019



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Sistema do Seixo" - Freguesia de Real
1º Trimestre de 2019

A

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	---	<30	0	---	---	---	---
Clostridium perfringens (N/100ml)	0	---	0	0	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---	<0,02	0	---	---	---	---
Antimónio (µg/L Sb)	5.0	---	<3,5	0	---	---	---	---
Arsénio (µg/L As)	10	---	<3	0	---	---	---	---
Benzeno (µg/L)	1,0	---	<0,3	0	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	<0,005	0	---	---	---	---
Boro (mg/L B)	1,0	---	<0,3	0	---	---	---	---
Bromatos (µg/L BrO3)	10,0	---	<5	0	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	<0,4	0	---	---	---	---
Cálcio (mg/L Ca)	---	---	<5	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	<5	0	---	---	---	---
Cianetos (µg/L CN)	50	---	<15	0	---	---	---	---
Cobre (mg/L Cu)	2,0	---	0,0063	0	---	---	---	---
Crómio (µg/L Cr)	50	---	<2	0	---	---	---	---
Cloritos (mg/L)	0.7	---	<0,01	0	---	---	---	---
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	---
1-2 Dicloroetano (µg/L)	3,0	---	<0,3	0	---	---	---	---
Dureza total (mg/L CaCO3)	---	---	<17	---	---	---	---	---
Amónio (mg/L NH ₄)	0,50	---	<0,02	0	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	---	<1	0	---	---	---	---
Fluoretos (mg/L F)	1,5	---	0,1	0	---	---	---	---
Magnésio (mg/L Mg)	---	---	2,4	---	---	---	---	---
Mercurio(µg/L Hg)	1,0	---	<0,2	0	---	---	---	---
Níquel (µg/L Ni)	20	---	<5	0	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,01	0	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	<0,01	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	<0,01	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	<0,01	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	<0,01	---	---	---	---	---
Selénio (µg/L Se)	10	---	<2	0	---	---	---	---
Cloretos (mg/L Cl)	250	---	10	0	---	---	---	---
Cloratos (mg/L)	0,7	---	0,12	0	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L):	10	---	<0,5	0	---	---	---	---
Tetracloroetano (µg/L)	---	---	<0,5	---	---	---	---	---
Tricloroetano (µg/L)	---	---	<0,5	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Cloroformio(µg/L)	---	---	0,85	---	---	---	---	---
Bromoformio(µg/L)	---	---	0,69	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	<0,5	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	<0,5	---	---	---	---	---
Sódio (mg/L Na)	200	---	28	0	---	---	---	---
Sulfatos (mg/L SO4)	250	---	11	0	---	---	---	---
Alfa total (Bq/l)	<0,05	---	<0,01	0	---	---	---	---
Beta total (Bq/l)	<0,10	---	<0,02	0	---	---	---	---
Dose Indicativa (mSv/ano)	<0,10	---	<0,1	0	---	---	---	---
Radão (Bq/l)	500	---	12	0	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	<0,050	0	---	---	---	---
Alacloro (µg/L)	0,10	---	<0,05	0	---	---	---	---
Bentazona (µg/L)	0,10	---	<0,025	0	---	---	---	---
Clorpirifos (µg/L)	0,10	---	<0,05	0	---	---	---	---
Desetilterbutilazina (µg/L)	0,10	---	<0,05	0	---	---	---	---
Dimetoato (µg/L)	0,10	---	<0,05	0	---	---	---	---
Diurão (µg/L)	0,10	---	<0,05	0	---	---	---	---
MCPA (µg/L)	0,10	---	<0,025	0	---	---	---	---
Metolaclo (µg/L)	0,10	---	<0,05	0	---	---	---	---
Terbutilazina (µg/L)	0,10	---	<0,05	0	---	---	---	---
Ometoato (µg/L)	0,10	---	<0,05	0	---	---	---	---
Imidaclopride (µg/L)	0,10	---	<0,05	0	---	---	---	---
Simazina (µg/L)	0,10	---	<0,05	0	---	---	---	---
Desetilterbutilazina (µg/L)	---	---	<0,05	---	---	---	---	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos

Data da publicação: 29/05/2019



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								
<i>Escherichia coli</i> (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	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Sabor a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Turbidez (NTU)	4	---	---	---	---	---	---	---
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	<30	0	---	---	---	---
<i>Clostridium perfringens</i> (N/100ml)	0	---	0	0	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---	<0,02	0	---	---	---	---
Antimónio (µg/L Sb)	5,0	---	<3,5	0	---	---	---	---
Arsénio (µg/L As)	10	---	<3	0	---	---	---	---
Benzeno (µg/L)	1,0	---	<0,3	0	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	<0,005	0	---	---	---	---
Boro (mg/L B)	1,0	---	<0,3	0	---	---	---	---
Bromatos (µg/L BrO ₃)	10,0	---	<5	0	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	<0,4	0	---	---	---	---
Cálcio (mg/L Ca)	---	---	<5	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	<5	0	---	---	---	---
Cianetos (µg/L CN)	50	---	<15	0	---	---	---	---
Cobre (mg/L Cu)	2,0	---	0,0063	0	---	---	---	---
Crómio (µg/L Cr)	50	---	<2	0	---	---	---	---
Cloritos (mg/L)	0,7	---	<0,01	0	---	---	---	---
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	---
1-2 Dicloroetano (µg/L)	3,0	---	<0,3	0	---	---	---	---
Dureza total (mg/L CaCO ₃)	---	---	<17	---	---	---	---	---
Amónio (mg/L NH ₄)	0,50	---	<0,02	0	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	---	<1	0	---	---	---	---
Fluoretos (mg/L F)	1,5	---	0,1	0	---	---	---	---
Magnésio (mg/L Mg)	---	---	2,4	---	---	---	---	---
Merúrio(µg/L Hg)	1,0	---	<0,2	0	---	---	---	---
Níquel (µg/L Ni)	20	---	<5	0	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,01	0	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	<0,01	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	<0,01	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	<0,01	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	<0,01	---	---	---	---	---
Selénio (µg/L Se)	10	---	<2	0	---	---	---	---
Cloretos (mg/L Cl)	250	---	10	0	---	---	---	---
Cloratos (mg/L)	0,7	---	0,12	0	---	---	---	---
Tetracloroeteno e Tricloroeteno (µg/L):	10	---	<0,5	0	---	---	---	---
Tetracloroeteno (µg/L)	---	---	<0,5	---	---	---	---	---
Tricloroeteno (µg/L)	---	---	<0,5	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	0,85	---	---	---	---	---
Bromofórmio(µg/L)	---	---	0,69	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	<0,5	---	---	---	---	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos

Data da publicação: 29/05/2019

Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Moinho" - Freguesia de Real
1º Trimestre de 2019

A

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	---	---	---	---	---	---	---
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	---	<30	0	---	---	---	---
Clostridium perfringens (N/100ml)	0	---	0	0	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---	<0,02	0	---	---	---	---
Antimónio (µg/L Sb)	5,0	---	<3,5	0	---	---	---	---
Arsénio (µg/L As)	10	---	<3	0	---	---	---	---
Benzeno (µg/L)	1,0	---	<0,3	0	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	<0,005	0	---	---	---	---
Boro (mg/L B)	1,0	---	<0,3	0	---	---	---	---
Bromatos (µg/L BrO3)	10,0	---	<5	0	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	<0,4	0	---	---	---	---
Cálcio (mg/L Ca)	---	---	<5	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	<5	0	---	---	---	---
Cianetos (µg/L CN)	50	---	<15	0	---	---	---	---
Cobre (mg/L Cu)	2,0	---	0,0063	0	---	---	---	---
Crómio (µg/L Cr)	50	---	<2	0	---	---	---	---
Cloritos (mg/L)	0,7	---	<0,01	0	---	---	---	---
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	---
1-2 Dicloroetano (µg/L)	3,0	---	<0,3	0	---	---	---	---
Dureza total (mg/L CaCO3)	---	---	<17	---	---	---	---	---
Amónio (mg/L NH ₄)	0,50	---	<0,02	0	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	---	<1	0	---	---	---	---
Fluoretos (mg/L F)	1,5	---	0,1	0	---	---	---	---
Magnésio (mg/L Mg)	---	---	2,4	---	---	---	---	---
Mercurio(µg/L Hg)	1,0	---	<0,2	0	---	---	---	---
Níquel (µg/L Ni)	20	---	<5	0	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,01	0	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	<0,01	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	<0,01	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	<0,01	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	<0,01	---	---	---	---	---
Selénio (µg/L Se)	10	---	<2	0	---	---	---	---
Cloretos (mg/L Cl)	250	---	10	0	---	---	---	---
Cloratos (mg/L)	0,7	---	0,12	0	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L):	10	---	<0,5	0	---	---	---	---
Tetracloroetano (µg/L)	---	---	<0,5	---	---	---	---	---
Tricloroetano (µg/L)	---	---	<0,5	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	0,85	---	---	---	---	---
Bromofórmio(µg/L)	---	---	0,69	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	<0,5	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	<0,5	---	---	---	---	---
Sódio (mg/L Na)	200	---	28	0	---	---	---	---
Sulfatos (mg/L SO4)	250	---	11	0	---	---	---	---
Alfa total (Bq/l)	<0,05	---	<0,01	0	---	---	---	---
Beta total (Bq/l)	<0,10	---	<0,02	0	---	---	---	---
Dose Indicativa (mSv/ano)	<0,10	---	<0,1	0	---	---	---	---
Radão (Bq/l)	500	---	12	0	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	<0,050	0	---	---	---	---
Alacloro (µg/L)	0,10	---	<0,05	0	---	---	---	---
Bentazona (µg/L)	0,10	---	<0,025	0	---	---	---	---
Clorpirifos (µg/L)	0,10	---	<0,05	0	---	---	---	---
Desetilterbutilazina (µg/L)	0,10	---	<0,05	0	---	---	---	---
Dimetoato (µg/L)	0,10	---	<0,05	0	---	---	---	---
Diurão (µg/L)	0,10	---	<0,05	0	---	---	---	---
MCPA (µg/L)	0,10	---	<0,025	0	---	---	---	---
Metolaclo (µg/L)	0,10	---	<0,05	0	---	---	---	---
Terbutilazina (µg/L)	0,10	---	<0,05	0	---	---	---	---
Ometoato (µg/L)	0,10	---	<0,05	0	---	---	---	---
Imidaclopride (µg/L)	0,10	---	<0,05	0	---	---	---	---
Simazina (µg/L)	0,10	---	<0,05	0	---	---	---	---
Desetilterbutilazina (µg/L)	---	---	<0,05	---	---	---	---	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos

Data da publicação: 29/05/2019



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Nogueira" - União de Freguesias de Raiva, Pedrido e Paraíso
1º Trimestre de 2019

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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)	---	0,5	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	---	<30	0	---	---	---	---
Clostridium perfringens (N/100ml)	0	---	0	0	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---	<0,02	0	---	---	---	---
Antimónio (µg/L Sb)	5,0	---	<3,5	0	---	---	---	---
Arsénio (µg/L As)	10	---	<3	0	---	---	---	---
Benzeno (µg/L)	1,0	---	<0,3	0	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	<0,005	0	---	---	---	---
Boro (mg/L B)	1,0	---	<0,3	0	---	---	---	---
Bromatos (µg/L BrO3)	10,0	---	<5	0	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	<0,4	0	---	---	---	---
Cálcio (mg/L Ca)	---	---	<5	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	<5	0	---	---	---	---
Cianetos (µg/L CN)	50	---	<15	0	---	---	---	---
Cobre (mg/L Cu)	2,0	---	0,0063	0	---	---	---	---
Crómio (µg/L Cr)	50	---	<2	0	---	---	---	---
Cloritos (mg/L)	0,7	---	<0,01	0	---	---	---	---
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
1-2 Dicloroetano (µg/L)	3,0	---	<0,3	0	---	---	---	---
Dureza total (mg/L CaCO3)	---	---	<17	---	---	---	---	---
Amónio (mg/L NH ₄)	0,50	---	<0,02	0	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	---	<1	0	---	---	---	---
Fluoretos (mg/L F)	1,5	---	0,1	0	---	---	---	---
Magnésio (mg/L Mg)	---	---	2,4	---	---	---	---	---
Mercurio(µg/L Hg)	1,0	---	<0,2	0	---	---	---	---
Níquel (µg/L Ni)	20	---	<5	0	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,01	0	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	<0,01	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	<0,01	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	<0,01	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	<0,01	---	---	---	---	---
Selénio (µg/L Se)	10	---	<2	0	---	---	---	---
Cloretos (mg/L Cl)	250	---	10	0	---	---	---	---
Cloratos (mg/L)	0,7	---	0,12	0	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L):	10	---	<0,5	0	---	---	---	---
Tetracloroetano (µg/L)	---	---	<0,5	---	---	---	---	---
Tricloroetano (µg/L)	---	---	<0,5	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	0,85	---	---	---	---	---
Bromofórmio (µg/L)	---	---	0,69	---	---	---	---	---
Bromodiclorometano (µg/L)	---	---	<0,5	---	---	---	---	---
Dibromoclorometano (µg/L)	---	---	<0,5	---	---	---	---	---
Sódio (mg/L Na)	200	---	28	0	---	---	---	---
Sulfatos (mg/L SO4)	250	---	11	0	---	---	---	---
Alfa total (Bq/l)	<0,05	---	<0,01	0	---	---	---	---
Beta total (Bq/l)	<0,10	---	<0,02	0	---	---	---	---
Dose indicativa (mSv/ano)	<0,10	---	<0,1	0	---	---	---	---
Radão (Bq/l)	500	---	12	0	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	<0,050	0	---	---	---	---
Alacloro (µg/L)	0,10	---	<0,05	0	---	---	---	---
Bentazona (µg/L)	0,10	---	<0,025	0	---	---	---	---
Clorpirifos (µg/L)	0,10	---	<0,05	0	---	---	---	---
Desetilterbutilazina (µg/L)	0,10	---	<0,05	0	---	---	---	---
Dimetoato (µg/L)	0,10	---	<0,05	0	---	---	---	---
Diurão (µg/L)	0,10	---	<0,05	0	---	---	---	---
MCPA (µg/L)	0,10	---	<0,025	0	---	---	---	---
Metolaclo (µg/L)	0,10	---	<0,05	0	---	---	---	---
Terbutilazina (µg/L)	0,10	---	<0,05	0	---	---	---	---
Ometoato (µg/L)	0,10	---	<0,05	0	---	---	---	---
Imidaclopride (µg/L)	0,10	---	<0,05	0	---	---	---	---
Simazina (µg/L)	0,10	---	<0,05	0	---	---	---	---
Desetilterbutilazina (µg/L)	---	---	<0,05	---	---	---	---	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos

Data da publicação: 29/05/2019

Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Vilar de Eirigo" - União de Freguesias de Sobrado e Bairros
1º Trimestre de 2019

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	0,7	---	---	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	---	---	---	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	---	<1	0	---	---	---	---
Sabor a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Turvação (NTU)	4	---	---	---	---	---	---	---
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	<30	0	---	---	---	---
Clostridium perfringens (N/100ml)	0	---	0	0	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---	<0,02	0	---	---	---	---
Antimónio (µg/L Sb)	5,0	---	<3,5	0	---	---	---	---
Arsénio (µg/L As)	10	---	<3	0	---	---	---	---
Benzeno (µg/L)	1,0	---	<0,3	0	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	<0,005	0	---	---	---	---
Boro (mg/L B)	1,0	---	<0,3	0	---	---	---	---
Bromatos (µg/L BrO3)	10,0	---	<5	0	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	<0,4	0	---	---	---	---
Cálcio (mg/L Ca)	---	---	<5	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	<5	0	---	---	---	---
Cianetos (µg/L CN)	50	---	<15	0	---	---	---	---
Cobre (mg/L Cu)	2,0	---	0,0063	0	---	---	---	---
Crómio (µg/L Cr)	50	---	<2	0	---	---	---	---
Cloritos (mg/L)	0,7	---	<0,01	0	---	---	---	---
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
1-2 Dicloroetano (µg/L)	3,0	---	<0,3	0	---	---	---	---
Dureza total (mg/L CaCO3)	---	---	<17	---	---	---	---	---
Amónio (mg/L NH ₄)	0,50	---	<0,02	0	---	---	---	---
Fluoretos (mg/L F)	1,5	---	0,1	0	---	---	---	---
Magnésio (mg/L Mg)	---	---	2,4	---	---	---	---	---
Mercurio(µg/L Hg)	1,0	---	<0,2	0	---	---	---	---
Níquel (µg/L Ni)	20	---	<5	0	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,01	0	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	<0,01	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	<0,01	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	<0,01	---	---	---	---	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	<0,01	---	---	---	---	---
Selénio (µg/L Se)	10	---	<2	0	---	---	---	---
Cloretos (mg/L Cl)	250	---	10	0	---	---	---	---
Cloratos (mg/L)	0,7	---	0,12	0	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L):	10	---	<0,5	0	---	---	---	---
Tetracloroetano (µg/L)	---	---	<0,5	---	---	---	---	---
Tricloroetano (µg/L)	---	---	<0,5	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	0,85	---	---	---	---	---
Bromofórmio(µg/L)	---	---	0,69	---	---	---	---	---
Bromodiclorometano (µg/L)	---	---	<0,5	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	<0,5	---	---	---	---	---
Sódio (mg/L Na)	200	---	28	0	---	---	---	---
Sulfatos (mg/L SO4)	250	---	11	0	---	---	---	---
Alfa total (Bq/l)	<0,05	---	<0,01	0	---	---	---	---
Beta total (Bq/l)	<0,10	---	<0,02	0	---	---	---	---
Dose Indicativa (mSv/ano)	<0,10	---	<0,1	0	---	---	---	---
Radão (Bq/l)	500	---	12	0	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	<0,050	0	---	---	---	---
Alacloro (µg/L)	0,10	---	<0,05	0	---	---	---	---
Bentazona (µg/L)	0,10	---	<0,025	0	---	---	---	---
Clorpirifos (µg/L)	0,10	---	<0,05	0	---	---	---	---
Desetilterbutilazina (µg/L)	0,10	---	<0,05	0	---	---	---	---
Dimetoato (µg/L)	0,10	---	<0,05	0	---	---	---	---
Diurão (µg/L)	0,10	---	<0,05	0	---	---	---	---
MCPA (µg/L)	0,10	---	<0,025	0	---	---	---	---
Metolaclo (µg/L)	0,10	---	<0,05	0	---	---	---	---
Terbutilazina (µg/L)	0,10	---	<0,05	0	---	---	---	---
Ometoato (µg/L)	0,10	---	<0,05	0	---	---	---	---
Imidaclopride (µg/L)	0,10	---	<0,05	0	---	---	---	---
Simazina (µg/L)	0,10	---	<0,05	0	---	---	---	---
Desetilterbutilazina (µg/L)	---	---	<0,05	---	---	---	---	---

Informação complementar relativa à averiguação das situações de Incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos

Data da publicação: 29/05/2019