



Tipo de Controlo	Parâmetro	Valor Paramétrico (Dec.-Lei n.º 306/2007)	Nº de análises previstas no PCQA	Zona de Abastecimento de Aldeia de Nacomba					Zona de Abastecimento de Praelha						
				Análises		Resultados			medidas correctivas efectuadas	Análises		Resultados			medidas correctivas efectuadas
				Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP		Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP	
CR1	Cloro residual livre (mg/L Cl <sub>2</sub> )	---	6	6	100	0,92	< 0,10	---	---	6	100	0,19	<0,10	---	---
	Bactérias coliformes (N/100 mL)	0	6	6	100	18	0	83	Foi efectuada desinfeção com cloro.	6	100	66	0	50	Segundo parecer do Delegado de Saúde foi efectuada desinfeção com cloro.
	<i>Eschechia coli</i> (N/100 mL)	0	6	6	100	0	0	100	---	6	100	0	0	100	---
CR2	Cor (mg/L Pt-Co)	20	2	2	100	< 5,0	< 1,0	100	---	2	100	< 5,0	< 1,0	100	---
	Turvação (UNT)	4	2	2	100	< 1,0	< 0,20	100	---	2	100	< 1,0	< 0,20	100	---
	pH (Unidades de pH)	6,5-9,0	2	2	100	5,7	5,3	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.	2	100	5,7	5,1	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.
CR2	Condutividade (µS/cm a 20°C)	2500	2	2	100	33	32	100	---	2	100	32	23	100	---
	Amónio (mg/L NH <sub>4</sub> )	0,5	2	2	100	< 0,30	< 0,05	100	---	2	100	< 0,30	0,05	100	---
	Oxidabilidade (mg/L O <sub>2</sub> )	5	2	2	100	2	< 1,0	100	---	2	100	< 1,0	0,6	100	---
	Manganês (µg/L Mn)	50	2	2	100	7,6	< 25	100	---	2	100	38	7,5	100	---
	Cheiro a 25° C (factor de diluição)	3	2	2	100	1	0	100	---	2	100	1	0	100	---
	Sabor a 25° C (factor de diluição)	3	2	2	100	1	0	100	---	2	100	1	0	100	---
	Nitratos (mg/L NO <sub>3</sub> )	50	2	2	100	< 5,0	< 3,2	100	---	2	100	< 5,0	< 3,2	100	---
	n.º de colónias a 37° C (N/mL)	saa	2	2	100	> 300	14	---	---	2	100	1	0	---	---
	n.º de colónias a 22° C (N/mL)	saa	2	2	100	>300	20	---	---	2	100	20	0	---	---
	CI	Cloretos (mg/L Cl)	250	1	1	100	5,1	---	100	---	1	100	< 3,0	---	100
Ferro Total (mg/L µg/L Fe)		200	1	1	100	< 100	---	100	---	1	100	< 100	---	100	---
Sulfatos (mg/L SO <sub>4</sub> )		250	1	1	100	< 5	---	100	---	1	100	< 5	---	100	---
Alumínio (µg/L Al)		200	1	1	100	8	---	100	---	1	100	46	---	100	---
Sódio (mg/L Na)		200	1	1	100	4,8	---	100	---	1	100	3,7	---	100	---
Nitritos (mg/L NO <sub>2</sub> )		0,5	1	1	100	< 0,04	---	100	---	1	100	< 0,04	---	100	---
Arsénio (µg/L As)		10	1	1	100	< 4,0	---	100	---	1	100	< 4,0	---	100	---
Boro (mg/L B)		1	1	1	100	< 1,0	---	100	---	1	100	< 1,0	---	100	---
Cádmio Total (µg/L Cd)		5	1	1	100	< 0,3	---	100	---	1	100	< 0,3	---	100	---
Chumbo Total (µg/L Pb)		25	1	1	100	< 4,0	---	100	---	1	100	< 4,0	---	100	---
Cobre Total (mg/L Cu)		2	1	1	100	< 0,2	---	100	---	1	100	< 0,2	---	100	---
Crómio Total (µg/L Cr)		50	1	1	100	< 1,0	---	100	---	1	100	< 1,0	---	100	---
Antimónio (µg/L Sb)		5	1	1	100	< 2,0	---	100	---	1	100	< 2,0	---	100	---
Mercúrio (µg/L Hg)		1	1	1	100	< 0,1	---	100	---	1	100	< 0,1	---	100	---
Dureza total (mg/L CaCO <sub>3</sub> )		---	1	1	100	< 31,5	---	---	---	1	100	< 31,5	---	---	---
Cálcio (mg/L Ca)		---	1	1	100	< 6,0	---	---	---	1	100	< 6,0	---	---	---
Magnésio Total (mg/L Mg)		---	1	1	100	< 4,0	---	---	---	1	100	< 4,0	---	---	---
Níquel (µg/L Ni)		20	1	1	100	< 2,0	---	100	---	1	100	< 2,0	---	100	---
Selénio (µg/L Se)		10	1	1	100	< 8,0	---	100	---	1	100	< 8,0	---	100	---
Cianetos (µg/L CN)		50	1	1	100	< 10	---	100	---	1	100	< 10	---	100	---
Flúor (mg/L F)		1,5	1	1	100	< 0,10	---	100	---	1	100	< 0,10	---	100	---
Benzeno (µg/L C <sub>6</sub> H <sub>6</sub> )		1	1	1	100	< 0,2	---	100	---	1	100	< 0,2	---	100	---
Bromatos (µg/L BrO <sub>3</sub> )		25	1	1	100	< 1	---	100	---	1	100	< 1,0	---	100	---
1,2-dicloroetano (µg/L ClCH <sub>2</sub> CH <sub>2</sub> Cl)		3	1	1	100	< 0,3	---	100	---	1	100	< 0,3	---	100	---
Benzo[b]fluoranteno (µg/L BBFLT)		---	1	1	100	< 0,01	---	---	---	1	100	< 0,01	---	---	---
Benzo[k]fluoranteno (µg/L BKFLT)		---	1	1	100	< 0,01	---	---	---	1	100	< 0,01	---	---	---
Benzo[a]pireno (µg/L BAPY)		0,01	1	1	100	< 0,01	---	100	---	1	100	< 0,01	---	100	---
Benzo[g,h,i]perileno (µg/L BGHUPER)		---	1	1	100	< 0,01	---	---	---	1	100	< 0,01	---	---	---
Indeno[1,2,3-cd]pireno (µg/L IP)		---	1	1	100	< 0,01	---	---	---	1	100	< 0,01	---	---	---
Clorofórmio (µg/L CHCl <sub>3</sub> )		---	1	1	100	< 0,5	---	---	---	1	100	< 0,5	---	---	---
Bromofórmio (µg/L CHBr <sub>3</sub> )		---	1	1	100	< 0,5	---	---	---	1	100	< 0,5	---	---	---
Diclorobromometano (µg/L CHBrCl <sub>2</sub> )		---	1	1	100	< 0,5	---	---	---	1	100	< 0,5	---	---	---
Dibromoclorometano (µg/L CHClBr <sub>2</sub> )		---	1	1	100	< 0,5	---	---	---	1	100	< 0,5	---	---	---
Tetracloreto (µg/L Cl <sub>2</sub> CCl <sub>2</sub> )		10	1	1	100	< 0,1	---	100	---	1	100	< 0,1	---	100	---
Tricloroetano (µg/L Cl <sub>2</sub> CCHCl)		10	1	1	100	< 0,1	---	100	---	1	100	< 0,1	---	100	---
<i>Enterococos</i> (N/100 mL)		0	1	1	100	0	---	100	---	1	100	0	---	100	---
<i>Clostridium perfringens</i> (N/100 mL)		0	1	1	100	0	---	100	---	1	100	0	---	100	---



Tipo de Controlo	Parâmetro	Valor Paramétrico (Dec.-Lei n.º 306/2007)	Nº de análises previstas no PCQA	Zona de Abastecimento de Quinta dos Caetanos					Zona de Abastecimento de Porto da Nave						
				Análises		Resultados			medidas correctivas efectuadas	Análises		Resultados			medidas correctivas efectuadas
				Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP		Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP	
CR1	Cloro residual livre (mg/L Cl <sub>2</sub> )	---	6	6	100	1,43	< 0,1	---	---	6	100	0,46	< 0,1	---	---
	Bactérias coliformes (N/100 mL)	0	6	6	100	> 100	0	67	Inteiveção física na captação e colocação de doseador de cloro automático.	6	100	1	0	83	Segundo parecer do Delegado de Saúde foi efectuada desinfecção com cloro.
	<i>Eschechia coli</i> (N/100 mL)	0	6	6	100	0	0	100	---	6	100	0	0	100	---
	Cor (mg/L Pt-Co)	20	2	2	100	< 5,0	< 1,0	100	---	2	100	< 5,0	< 1,0	100	---
	Turvação (UNT)	4	2	2	100	< 1,1	< 0,02	100	---	2	100	< 1,0	0,44	100	---
	pH (Unidades de pH)	6,5-9,0	2	2	100	4,8	5	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.	2	100	5,2	5	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.
CR2	Condutividade (µS/cm a 20°C)	2500	2	2	100	25	23	100	---	2	100	50	26	100	---
	Amónio (mg/L NH <sub>4</sub> )	0,5	2	2	100	< 0,30	0,07	100	---	2	100	< 0,30	0,06	100	---
	Oxidabilidade (mg/L O <sub>2</sub> )	5	2	2	100	< 1,0	0,6	100	---	2	100	1,1	< 1,0	100	---
	Manganês (µg/L Mn)	50	2	2	100	25	12,1	100	---	2	100	44	16,6	100	---
	Cheiro a 25° C (factor de diluição)	3	2	2	100	1	0	100	---	2	100	1	0	100	---
	Sabor a 25° C (factor de diluição)	3	2	2	100	1	0	100	---	2	100	1	0	100	---
	Nitratos (mg/L NO <sub>3</sub> )	50	2	2	100	< 3,2	< 5,0	100	---	2	100	10,1	< 3,2	100	---
	n.º de colónias a 37° C (N/mL)	saa	2	2	100	5	0	---	---	2	100	> 300	0	---	---
	n.º de colónias a 22° C (N/mL)	saa	2	2	100	84	62	---	---	2	100	271	0	---	---
	CI	Cloretos (mg/L Cl)	250	1	1	100	4,5	---	100	---	1	100	3,7	---	100
Ferro Total (mg/L µg/L Fe)		200	1	1	100	< 100	---	100	---	1	100	139	---	100	---
Sulfatos (mg/L SO <sub>4</sub> )		250	1	1	100	< 5	---	100	---	1	100	< 5	---	100	---
Alumínio (µg/L Al)		200	1	1	100	180	---	100	---	1	100	170	---	100	---
Sódio (mg/L Na)		200	1	1	100	3,8	---	100	---	1	100	3,6	---	100	---
Nitritos (mg/L NO <sub>2</sub> )		0,5	1	1	100	< 0,04	---	100	---	1	100	< 0,04	---	100	---
Arsénio (µg/L As)		10	1	1	100	< 4,0	---	100	---	1	100	< 4,0	---	100	---
Boro (mg/L B)		1	1	1	100	< 1,0	---	100	---	1	100	< 1,0	---	100	---
Cádmio Total (µg/L Cd)		5	1	1	100	< 0,2	---	100	---	1	100	< 0,3	---	100	---
Chumbo Total (µg/L Pb)		25	1	1	100	< 4,0	---	100	---	1	100	< 4,0	---	100	---
Cobre Total (mg/L Cu)		2	1	1	100	< 0,2	---	100	---	1	100	< 0,2	---	100	---
Crómio Total (µg/L Cr)		50	1	1	100	< 1,0	---	100	---	1	100	< 1,0	---	100	---
Antimónio (µg/L Sb)		5	1	1	100	< 2,0	---	100	---	1	100	< 2,0	---	100	---
Mercúrio (µg/L Hg)		1	1	1	100	< 0,1	---	100	---	1	100	< 0,1	---	100	---
Dureza total (mg/L CaCO <sub>3</sub> )		---	1	1	100	< 31,5	---	---	---	1	100	< 31,5	---	---	---
Cálcio (mg/L Ca)		---	1	1	100	< 6,0	---	---	---	1	100	< 6,0	---	---	---
Magnésio Total (mg/L Mg)		---	1	1	100	< 4,0	---	---	---	1	100	< 4,0	---	---	---
Níquel (µg/L Ni)		20	1	1	100	< 2,0	---	100	---	1	100	< 2,0	---	100	---
Selénio (µg/L Se)		10	1	1	100	< 8,0	---	100	---	1	100	< 8,0	---	100	---
Cianetos (µg/L CN)		50	1	1	100	< 10	---	100	---	1	100	< 10	---	100	---
Flúor (mg/L F)		1,5	1	1	100	< 0,10	---	100	---	1	100	< 0,10	---	100	---
Benzeno (µg/L C <sub>6</sub> H <sub>6</sub> )		1	1	1	100	< 0,2	---	100	---	1	100	< 0,2	---	100	---
Bromatos (µg/L BrO <sub>3</sub> )		25	1	1	100	< 1,0	---	100	---	1	100	< 1,0	---	100	---
1,2-dicloroetano (µg/L ClCH <sub>2</sub> CH <sub>2</sub> Cl)		3	1	1	100	< 0,3	---	100	---	1	100	< 0,3	---	100	---
Benzo[b]fluoranteno (µg/L BBFLT)		---	1	1	100	< 0,01	---	---	---	1	100	< 0,01	---	---	---
Benzo[k]fluoranteno (µg/L BKFLT)		---	1	1	100	< 0,01	---	---	---	1	100	< 0,01	---	---	---
Benzo[a]pireno (µg/L BAPY)		0,01	1	1	100	< 0,01	---	100	---	1	100	< 0,01	---	100	---
Benzo[g,h,i]perileno (µg/L BGHUPER)		---	1	1	100	< 0,01	---	---	---	1	100	< 0,01	---	---	---
Indeno[1,2,3-cd]pireno (µg/L IP)		---	1	1	100	< 0,01	---	---	---	1	100	< 0,01	---	---	---
Clorofórmio (µg/L CHCl <sub>3</sub> )		---	1	1	100	< 0,5	---	---	---	1	100	11	---	---	---
Bromofórmio (µg/L CHBr <sub>3</sub> )		---	1	1	100	< 0,5	---	---	---	1	100	< 0,5	---	---	---
Diclorobromometano (µg/L CHBrCl <sub>2</sub> )		---	1	1	100	< 0,5	---	---	---	1	100	6,3	---	---	---
Dibromoclorometano (µg/L CHClBr <sub>2</sub> )		---	1	1	100	< 0,5	---	---	---	1	100	2,4	---	---	---
Tetracloroetano (µg/L Cl <sub>2</sub> CCl <sub>2</sub> )		10	1	1	100	< 0,1	---	100	---	1	100	< 0,1	---	100	---
Tricloroetano (µg/L Cl <sub>2</sub> CCHCl)		10	1	1	100	< 0,1	---	100	---	1	100	< 0,1	---	100	---
<i>Enterococos</i> (N/100 mL)		0	1	1	100	0	---	100	---	1	100	0	---	100	---
<i>Clostridium perfringens</i> (N/100 mL)		0	1	1	100	2	---	0	Não foram implementadas medidas correctivas	1	100	0	---	100	---



Tipo de Controlo	Parâmetro	Valor Paramétrico (Dec.-Lei n.º 306/2007)	Nº de análises previstas no PCQA	Zona de Abastecimento de Espinheiro					Zona de Abastecimento de Sarzedo						
				Análises		Resultados			medidas correctivas efectuadas	Análises		Resultados			medidas correctivas efectuadas
				Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP		Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP	
CR1	Cloro residual livre (mg/L Cl <sub>2</sub> )	---	6	6	100	2,75	< 0,10	---	---	6	100	0,84	0,1	---	---
	Bactérias coliformes (N/100 mL)	0	6	6	100	2	0	83	Segundo parecer do Delegado de Saúde foi efectuada desinfecção com cloro.	6	100	0	0	100	---
	<i>Eschechia coli</i> (N/100 mL)	0	6	6	100	0	0	100	---	6	100	0	0	100	---
CR2	Cor (mg/L Pt-Co)	20	2	2	100	< 5,0	< 5,0	100	---	2	100	<5,0	<5,0	100	---
	Turvação (UNT)	4	2	2	100	<1,0	<1,0	100	---	2	100	<1,0	<1,0	100	---
	pH (Unidades de pH)	6,5-9,0	2	2	100	6,1	5	0	O Delegado de Saúde não emitiu parecer, pelo que se considerou não existir risco para a saúde humana.	2	100	5,8	5,8	0	O Delegado de Saúde não emitiu parecer, pelo que se considerou não existir risco para a saúde humana.
	Condutividade (µS/cm a 20°C)	2500	2	2	100	45	28	100	---	2	100	70	57	100	---
	Amónio (mg/L NH <sub>4</sub> )	0,5	2	2	100	0,06	0,05	100	---	2	100	<0,05	<0,05	100	---
	Oxidabilidade (mg/L O <sub>2</sub> )	5	2	2	100	0,7	< 0,5	100	---	2	100	1,1	< 0,5	100	---
	Manganês (µg/L Mn)	50	2	2	100	27	< 25	100	---	2	100	<25	< 15	100	---
	Cheiro a 25º C (factor de diluição)	3	2	2	100	6	1	50	Não foram implementadas medidas correctivas pois este valor resultou do excesso de cloro existente.	2	100	3	2	100	---
	Sabor a 25º C (factor de diluição)	3	2	2	100	6	1	50	Não foram implementadas medidas correctivas pois este valor resultou do excesso de cloro existente.	2	100	3	2	100	---
	Nitratos (mg/L NO <sub>3</sub> )	50	2	2	100	5,5	< 5,0	100	---	2	100	14	9,6	100	---
	n.º de colónias a 37º C (N/mL)	saa	2	2	100	0	0	---	---	2	100	0	0	---	---
	n.º de colónias a 22º C (N/mL)	saa	2	2	100	0	0	---	---	2	100	0	0	---	---
CI	Cloretos (mg/L Cl)	250	1	1	100	62,7	---	100	---	1	100	8	---	100	---
	Ferro Total (mg/L µg/L Fe)	200	1	1	100	<50	---	100	---	1	100	< 50	---	100	---
	Sulfatos (mg/L SO <sub>4</sub> )	250	1	1	100	<2,0	---	100	---	1	100	< 2,0	---	100	---
	Alumínio (µg/L Al)	200	1	1	100	41	---	100	---	1	100	< 40	---	100	---
	Sódio (mg/L Na)	200	1	1	100	<5,0	---	100	---	1	100	7,4	---	100	---
	Nitritos (mg/L NO <sub>2</sub> )	0,5	1	1	100	<0,02	---	100	---	1	100	< 0,02	---	100	---
	Arsénio (µg/L As)	10	1	1	100	<3,0	---	100	---	1	100	< 3,0	---	100	---
	Boro (mg/L B)	1	1	1	100	<0,25	---	100	---	1	100	< 0,250	---	100	---
	Cádmio Total (µg/L Cd)	5	1	1	100	<1,0	---	100	---	1	100	< 1,0	---	100	---
	Chumbo Total (µg/L Pb)	25	1	1	100	<7,0	---	100	---	1	100	< 7,0	---	100	---
	Cobre Total (mg/L Cu)	2	1	1	100	<0,10	---	100	---	1	100	< 0,1	---	100	---
	Crómio Total (µg/L Cr)	50	1	1	100	<5,0	---	100	---	1	100	< 5,0	---	100	---
	Antimónio (µg/L Sb)	5	1	1	100	<4,0	---	100	---	1	100	< 4,0	---	100	---
	Mercurio (µg/L Hg)	1	1	1	100	<0,5	---	100	---	1	100	< 0,5	---	100	---
	Dureza total (mg/L CaCO <sub>3</sub> )	---	1	1	100	8,0	---	---	---	1	100	12	---	---	---
	Cálcio (mg/L Ca)	---	1	1	100	<5	---	---	---	1	100	< 5	---	---	---
	Magnésio Total (mg/L Mg)	---	1	1	100	<2,0	---	---	---	1	100	< 2,0	---	---	---
	Níquel (µg/L Ni)	20	1	1	100	<6,0	---	100	---	1	100	< 6,0	---	100	---
	Selénio (µg/L Se)	10	1	1	100	<6,0	---	100	---	1	100	< 6,0	---	100	---
	Cianetos (µg/L CN)	50	1	1	100	<12	---	100	---	1	100	< 12,0	---	100	---
	Fluoretos (mg/L F)	1,5	1	1	100	<0,3	---	100	---	1	100	< 0,3	---	100	---
	Benzeno (µg/L C <sub>6</sub> H <sub>6</sub> )	1	1	1	100	<0,1	---	100	---	1	100	< 0,1	---	100	---
	Bromatos (µg/L BrO <sub>3</sub> )	25	1	1	100	<0,2	---	100	---	1	100	< 2,5	---	100	---
	1,2-dicloroetano (µg/L ClCH <sub>2</sub> CH <sub>2</sub> Cl)	3	1	1	100	<0,1	---	100	---	1	100	< 0,1	---	100	---
	Benzo[b]fluoranteno (µg/L BBFLT)	---	1	1	100	<0,005	---	---	---	1	100	< 0,005	---	---	---
	Benzo[k]fluoranteno (µg/L BKFLT)	---	1	1	100	<0,005	---	---	---	1	100	< 0,005	---	---	---
	Benzo[a]pireno (µg/L BAPY)	0,01	1	1	100	<0,005	---	100	---	1	100	< 0,005	---	100	---
	Benzo[g,h,i]perileno (µg/L BGHUPER)	---	1	1	100	<0,005	---	---	---	1	100	< 0,005	---	---	---
	Indeno[1,2,3-cd]pireno (µg/L IP)	---	1	1	100	<0,010	---	---	---	1	100	< 0,010	---	---	---
	Clorofórmio (µg/L CHCl <sub>3</sub> )	---	1	1	100	4,1	---	---	---	1	100	3,6	---	---	---
	Bromofórmio (µg/L CHBr <sub>3</sub> )	---	1	1	100	0,2	---	---	---	1	100	0,2	---	---	---
	Diclorobromometano (µg/L CHBrCl <sub>2</sub> )	---	1	1	100	1	---	---	---	1	100	2,9	---	---	---
	Dibromoclorometano (µg/L CHClBr <sub>2</sub> )	---	1	1	100	0,4	---	---	---	1	100	1,4	---	---	---
	Tetracloroetano (µg/L Cl <sub>2</sub> CCCl <sub>2</sub> )	10	1	1	100	<0,1	---	100	---	1	100	< 0,1	---	100	---
	Tricloroetano (µg/L Cl <sub>2</sub> CCHCl)	10	1	1	100	<0,1	---	100	---	1	100	< 0,1	---	100	---
	<i>Enterococos</i> (N/100 mL)	0	1	1	100	0	---	100	---	1	100	0	---	100	---
	<i>Clostridium perfringens</i> (N/100 mL)	0	1	1	100	0	---	100	---	1	100	0	---	100	---



Tipo de Controlo	Parâmetro	Valor Paramétrico (Dec.-Lei n.º 306/2007)	n.º de análises previstas no PCQA	Zona de Abastecimento de Castelo					Zona de Abastecimento de Nagosa							
				Análises		Resultados			medidas correctivas efectuadas	Análises		Resultados			medidas correctivas efectuadas	
				Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% análises que cumprem VP		Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% análises que cumprem VP		
CR1	Cloro residual livre (mg/L Cl <sub>2</sub> )	---	6	6	100	1,55	0,29	---	---	6	100	0,38	< 0,10	---	---	
	Bactérias coliformes (N/100 mL)	0	6	6	100	0	0	100	---	6	100	53	0	50	Segundo parecer do Delegado de Saúde foi efectuada desinfeção com cloro.	
	<i>Eschechia coli</i> (N/100 mL)	0	6	6	100	0	0	100	---	6	100	0	0	100	---	
CR2	Cor (mg/L Pt-Co)	20	2	2	100	<5,1	<5,0	100	---	2	100	< 1,0	<5,0	100	---	
	Turvação (UNT)	4	2	2	100	<1,1	<1,0	100	---	2	100	< 0,20	<1,0	100	---	
	pH (Unidades de pH)	6,5-9,0	2	2	100	6,5	5,5	0	O Delegado de Saúde não emitiu parecer, pelo que se considerou não existir risco para a saúde	2	100	6,3	6,4	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por	
	Condutividade (µS/cm a 20°C)	2500	2	2	100	54	33	100	---	2	100	50	48	100	---	
	Amónio (mg/L NH <sub>4</sub> )	0,5	2	2	100	0,07	<0,05	100	---	2	100	< 0,30	<0,06	100	---	
	Oxidabilidade (mg/L O <sub>2</sub> )	5	2	2	100	0,7	<0,5	100	---	2	100	< 1,0	<0,6	100	---	
	Manganês (µg/L Mn)	50	2	2	100	< 25	<15	100	---	2	100	3,1	<25	100	---	
	Cheiro a 25° C (factor de diluição)	3	2	2	100	3	3	100	---	2	100	0	1	100	---	
	Sabor a 25° C (factor de diluição)	3	2	2	100	3	3	100	---	2	100	0	1	100	---	
	Nitratos (mg/L NO <sub>3</sub> )	50	2	2	100	<5,0	<5,0	100	---	2	100	< 3,2	<5,0	100	---	
	n.º de colónias a 37° C (N/mL)	saa	2	2	100	0	0	---	---	2	100	36	>300	---	---	
	n.º de colónias a 22° C (N/mL)	saa	2	2	100	0	0	---	---	2	100	110	>300	---	---	
	CI	Cloretos (mg/L Cl)	250	1	1	100	5,3	---	100	---	1	100	7,5	---	100	---
		Ferro Total (mg/L µg/L Fe)	200	1	1	100	<50	---	100	---	1	100	< 100	---	100	---
		Sulfatos (mg/L SO <sub>4</sub> )	250	1	1	100	<2,0	---	100	---	1	100	< 5	---	100	---
Alumínio (µg/L Al)		200	1	1	100	<40	---	100	---	1	100	13	---	100	---	
Sódio (mg/L Na)		200	1	1	100	<5,0	---	100	---	1	100	7,9	---	100	---	
Nitritos (mg/L NO <sub>2</sub> )		0,5	1	1	100	<0,02	---	100	---	1	100	< 0,04	---	100	---	
Arsénio (µg/L As)		10	1	1	100	<3,0	---	100	---	1	100	4,9	---	100	---	
Boro (mg/L B)		1	1	1	100	<0,25	---	100	---	1	100	< 1,0	---	100	---	
Cádmio Total (µg/L Cd)		5	1	1	100	<1,0	---	100	---	1	100	< 0,3	---	100	---	
Chumbo Total (µg/L Pb)		25	1	1	100	<7,0	---	100	---	1	100	< 4,0	---	100	---	
Cobre Total (mg/L Cu)		2	1	1	100	<0,10	---	100	---	1	100	< 0,2	---	100	---	
Crómio Total (µg/L Cr)		50	1	1	100	<5,0	---	100	---	1	100	< 1,0	---	100	---	
Antimónio (µg/L Sb)		5	1	1	100	<4,0	---	100	---	1	100	< 2,0	---	100	---	
Mercúrio (µg/L Hg)		1	1	1	100	<0,5	---	100	---	1	100	< 0,1	---	100	---	
Dureza total (mg/L CaCO <sub>3</sub> )		---	1	1	100	<5	---	---	---	1	100	< 31,5	---	---	---	
Cálcio (mg/L Ca)		---	1	1	100	3,2	---	---	---	1	100	< 6,0	---	---	---	
Magnésio Total (mg/L Mg)		---	1	1	100	<2,0	---	---	---	1	100	< 4,0	---	---	---	
Níquel (µg/L Ni)		20	1	1	100	<6,0	---	100	---	1	100	< 2,0	---	100	---	
Selénio (µg/L Se)		10	1	1	100	<6,0	---	100	---	1	100	< 8,0	---	100	---	
Cianetos (µg/L CN)		50	1	1	100	<12	---	100	---	1	100	< 10	---	100	---	
Fluoretos (mg/L F)		1,5	1	1	100	<0,3	---	100	---	1	100	< 0,10	---	100	---	
Benzeno (µg/L C <sub>6</sub> H <sub>6</sub> )		1	1	1	100	<0,1	---	100	---	1	100	< 0,2	---	100	---	
Bromatos (µg/L BrO <sub>3</sub> )		25	1	1	100	<2,5	---	100	---	1	100	< 1,0	---	100	---	
1,2-dicloroetano (µg/L ClCH <sub>2</sub> CH <sub>2</sub> Cl)		3	1	1	100	<0,1	---	100	---	1	100	< 0,3	---	100	---	
Benzo[b]fluoranteno (µg/L BBFLT)		---	1	1	100	<0,005	---	---	---	1	100	< 0,01	---	---	---	
Benzo[k]fluoranteno (µg/L BKFLT)		---	1	1	100	<0,005	---	---	---	1	100	< 0,01	---	---	---	
Benzo[a]pireno (µg/L BAPY)		0,01	1	1	100	<0,005	---	100	---	1	100	< 0,01	---	100	---	
Benzo[g,h,i]perileno (µg/L BGHUPER)		---	1	1	100	<0,005	---	---	---	1	100	< 0,01	---	---	---	
Indeno[1,2,3-cd]pireno (µg/L IP)		---	1	1	100	<0,010	---	---	---	1	100	< 0,01	---	---	---	
Clorofórmio (µg/L CHCl <sub>3</sub> )		---	1	1	100	36	---	---	---	1	100	< 1	---	---	---	
Bromofórmio (µg/L CHBr <sub>3</sub> )		---	1	1	100	0,1	---	---	---	1	100	< 0,5	---	---	---	
Bromodiodometano (µg/L CHBrCl <sub>2</sub> )		---	1	1	100	7,2	---	---	---	1	100	<0,5	---	---	---	
Dibromodiodometano (µg/L CHClBr <sub>2</sub> )		---	1	1	100	1,3	---	---	---	1	100	<0,5	---	---	---	
Tetracloroetano (µg/L Cl <sub>2</sub> CCCl <sub>2</sub> )		10	1	1	100	<0,1	---	100	---	1	100	<0,1	---	100	---	
Tricloroetano (µg/L Cl <sub>2</sub> CCHCl)		10	1	1	100	<0,1	---	100	---	1	100	<0,1	---	100	---	
<i>Enterococos</i> (N/100 mL)		0	1	1	100	0	---	100	---	1	100	0	---	100	---	
<i>Clostridium perfringens</i> (N/100 mL)		0	1	1	100	0	---	100	---	1	100	0	---	100	---	
captana		0,1	1	1	100	<0,05	---	100	---	---	---	---	---	---	---	
dimetoato		0,1	1	1	100	<0,05	---	100	---	---	---	---	---	---	---	
atrazina		0,1	1	1	100	<0,05	---	1000	---	---	---	---	---	---	---	
desetilatrazina	0,1	1	1	100	<0,05	---	100	---	---	---	---	---	---	---		
cimoxanil	0,1	1	1	100	<0,05	---	100	---	---	---	---	---	---	---		
mancozebe	0,1	1	1	100	<0,1	---	100	---	---	---	---	---	---	---		
diurão	0,1	1	1	100	<0,05	---	100	---	---	---	---	---	---	---		
linurão	0,1	1	1	100	<0,05	---	100	---	---	---	---	---	---	---		
paraquato	0,1	1	1	100	<0,1	---	100	---	---	---	---	---	---	---		
terbutilazina	0,1	1	1	100	<0,05	---	100	---	---	---	---	---	---	---		
desetilterbutilazina	0,1	1	1	100	<0,05	---	100	---	---	---	---	---	---	---		



Tipo de Controlo	Parâmetro	Valor Paramétrico (Dec.-Lei n.º 306/2007)	Nº de análises previstas no PCQA	Zona de Abastecimento de Ariz					Zona de Abastecimento de Segões							
				Análises		Resultados			medidas correctivas efectuadas	Análises		Resultados			medidas correctivas efectuadas	
				Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP		Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP		
CR1	Cloro residual livre (mg/L Cl <sub>2</sub> )	---	6	6	100	0,15	< 0,10	---	---	6	100	0,22	< 0,1	---	---	
	Bactérias coliformes (N/100 mL)	0	6	6	100	48	0	67	Segundo parecer do Delegado de Saúde foi efectuada desinfecção com cloro.	6	100	0	0	100	---	
	<i>Eschechia coli</i> (N/100 mL)	0	6	6	100	0	0	100	---	6	100	0	0	100	---	
CR2	Cor (mg/L Pt-Co)	20	2	2	100	<1,0	< 0,5	100	---	2	100	<5,0	---	100	---	
	Turvação (UNT)	4	2	2	100	<1,0	<0,20	100	---	2	100	<1,0	---	100	---	
	pH (Unidades de pH)	6,5-9,0	2	2	100	6	5,6	0	O Delegado de Saúde não emitiu parecer, pelo que se considerou não existir risco para a saúde humana.	2	100	6,3	---	0	O Delegado de Saúde não emitiu parecer, pelo que se considerou não existir risco para a saúde humana.	
	Condutividade (µS/cm a 20°C)	2500	2	2	100	22,0	30	100	---	2	100	49	---	100	---	
	Amónio (mg/L NH <sub>4</sub> )	0,5	2	2	100	<0,30	<0,05	100	---	2	100	<0,05	---	100	---	
	Oxidabilidade (mg/L O <sub>2</sub> )	5	2	2	100	1,4	<1,0	100	---	2	100	0,6	---	100	---	
	Manganês (µg/L Mn)	50	2	2	100	< 25	2,0	100	---	2	100	<15	---	100	---	
	Cheiro a 25° C (factor de diluição)	3	2	2	100	1	0,0	100	---	2	100	1	---	100	---	
	Sabor a 25° C (factor de diluição)	3	2	2	100	1	0,0	100	---	2	100	1	---	100	---	
	Nitratos (mg/L NO <sub>3</sub> )	50	2	2	100	< 5,0	<3,2	100	---	2	100	<5,0	---	100	---	
	n.º de colónias a 37° C (N/mL)	saa	2	2	100	>300	1	---	---	2	100	>300	---	---	---	
	n.º de colónias a 22° C (N/mL)	saa	2	2	100	>300	53	---	---	2	100	> 300	---	---	---	
	CI	Cloretos (mg/L Cl)	250	1	1	100	<3,0	---	100	---	1	100	5,1	---	100	---
		Ferro Total (mg/L µg/L Fe)	200	1	1	100	<100	---	100	---	1	100	< 50	---	100	---
		Sulfatos (mg/L SO <sub>4</sub> )	250	1	1	100	<5	---	100	---	1	100	< 2,0	---	100	---
Alumínio (µg/L Al)		200	1	1	100	38	---	100	---	1	100	< 40	---	100	---	
Sódio (mg/L Na)		200	1	1	100	2,9	---	100	---	1	100	7,4	---	100	---	
Nitritos (mg/L NO <sub>2</sub> )		0,5	1	1	100	<0,04	---	100	---	1	100	< 0,02	---	100	---	
Arsénio (µg/L As)		10	1	1	100	<4,0	---	100	---	1	100	< 3,0	---	100	---	
Boro (mg/L B)		1	1	1	100	<1,0	---	100	---	1	100	< 0,250	---	100	---	
Cádmio Total (µg/L Cd)		5	1	1	100	<0,3	---	100	---	1	100	< 1,0	---	100	---	
Chumbo Total (µg/L Pb)		25	1	1	100	<4,0	---	100	---	1	100	< 7,0	---	100	---	
Cobre Total (mg/L Cu)		2	1	1	100	<0,2	---	100	---	1	100	< 0,1	---	100	---	
Crómio Total (µg/L Cr)		50	1	1	100	<1,0	---	100	---	1	100	< 5,0	---	100	---	
Antimónio (µg/L Sb)		5	1	1	100	<2,0	---	100	---	1	100	< 4,0	---	100	---	
Mercúrio (µg/L Hg)		1	1	1	100	<0,1	---	100	---	1	100	< 0,5	---	100	---	
Dureza total (mg/L CaCO <sub>3</sub> )		---	1	1	100	<31,5	---	---	---	1	100	18	---	---	---	
Cálcio (mg/L Ca)		---	1	1	100	<6,0	---	---	---	1	100	< 5	---	---	---	
Magnésio Total (mg/L Mg)		---	1	1	100	<4,0	---	---	---	1	100	< 2,0	---	---	---	
Níquel (µg/L Ni)		20	1	1	100	2,3	---	100	---	1	100	< 6,0	---	100	---	
Selénio (µg/L Se)		10	1	1	100	<8,0	---	100	---	1	100	< 6,0	---	100	---	
Cianetos (µg/L CN)		50	1	1	100	<10	---	100	---	1	100	< 12,0	---	100	---	
Fluoretos (mg/L F)		1,5	1	1	100	<0,10	---	100	---	1	100	< 0,3	---	100	---	
Benzeno (µg/L C <sub>6</sub> H <sub>6</sub> )		1	1	1	100	<0,2	---	100	---	1	100	< 0,1	---	100	---	
Bromatos (µg/L BrO <sub>3</sub> )		25	1	1	100	<1	---	100	---	1	100	< 2,5	---	100	---	
1,2-dicloroetano (µg/L ClCH <sub>2</sub> CH <sub>2</sub> Cl)		3	1	1	100	<0,3	---	100	---	1	100	< 0,1	---	100	---	
Benzo[b]fluoranteno (µg/L BBFLT)		---	1	1	100	<0,01	---	---	---	1	100	< 0,005	---	---	---	
Benzo[k]fluoranteno (µg/L BKFLT)		---	1	1	100	<0,01	---	---	---	1	100	< 0,005	---	---	---	
Benzo[a]pireno (µg/L BAPY)		0,01	1	1	100	<0,01	---	100	---	1	100	< 0,005	---	100	---	
Benzo[g,h,i]perileno (µg/L BGHUPER)		---	1	1	100	<0,01	---	---	---	1	100	< 0,005	---	---	---	
Indeno[1,2,3-cd]pireno (µg/L IP)		---	1	1	100	<0,01	---	---	---	1	100	< 0,010	---	---	---	
Clorofórmio (µg/L CHCl <sub>3</sub> )		---	1	1	100	<0,5	---	---	---	1	100	0,2	---	---	---	
Bromofórmio (µg/L CHBr <sub>3</sub> )		---	1	1	100	<0,5	---	---	---	1	100	0,5	---	---	---	
Diclorobromometano (µg/L CHBrCl <sub>2</sub> )		---	1	1	100	<0,5	---	---	---	1	100	0,3	---	---	---	
Dibromoclorometano (µg/L CHClBr <sub>2</sub> )		---	1	1	100	<0,5	---	---	---	1	100	0,4	---	---	---	
Tetracloroetano (µg/L Cl <sub>2</sub> CCl <sub>2</sub> )		10	1	1	100	<0,1	---	100	---	1	100	< 0,1	---	100	---	
Tricloroetano (µg/L Cl <sub>2</sub> CCHCl)		10	1	1	100	<0,1	---	100	---	1	100	< 0,1	---	100	---	
<i>Enterococos</i> (N/100 mL)		0	1	1	100	0	---	100	---	1	100	0	---	100	---	
<i>Clostridium perfringens</i> (N/100 mL)		0	1	1	100	0	---	100	---	1	100	0	---	100	---	





Tipo de Controlo	Parâmetro	Valor Paramétrico (Dec.-Lei n.º 306/2007)	Nº de análises previstas no PCQA	Zona de Abastecimento de Sr. dos Aflitos					Zona de Abastecimento de Granja do Paiva						
				Análises		Resultados			medidas correctivas efectuadas	Análises		Resultados			medidas correctivas efectuadas
				Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP		Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP	
CR1	Cloro residual livre (mg/L Cl <sub>2</sub> )	---	6	6	100	2,05	<0,10	---	6	100	0,16	< 0,1	---	---	
	Bactérias coliformes (N/100 mL)	0	6	6	100	25	0	50	6	100	17	0	83	Foi efectuada desinfeção com cloro.	
	<i>Eschechia coli</i> (N/100 mL)	0	6	6	100	8	0	83	6	100	0	0	100	---	
CR2	Cor (mg/L Pt-Co)	20	2	2	100	5,9	< 5,0	100	2	100	< 5,0	< 1,0	100	---	
	Turvação (UNT)	4	2	2	100	<1,0	<1,0	100	2	100	1,9	< 1,0	100	---	
	pH (Unidades de pH)	6,5-9,0	2	2	100	6,2	5,6	0	2	100	6,4	5,4	0	O Delegado de Saúde não emitiu parecer, pelo que se considerou não existir risco para a saúde humana.	
	Condutividade (µS/cm a 20°C)	2500	2	2	100	53	37	100	2	100	45,0	41,0	100	---	
	Amónio (mg/L NH <sub>4</sub> )	0,5	2	2	100	0,16	<0,05	100	2	100	<0,30	< 0,05	100	---	
	Oxidabilidade (mg/L O <sub>2</sub> )	5	2	2	100	2,1	1,1	100	2	100	1,3	0,6	100	---	
	Manganês (µg/L Mn)	50	2	2	100	< 25	< 15	100	2	100	< 25	11,4	100	---	
	Cheiro a 25° C (factor de diluição)	3	2	2	100	1	1	100	2	100	1	0	100	---	
	Sabor a 25° C (factor de diluição)	3	2	2	100	1	1	100	2	100	1	0	100	---	
	Nitratos (mg/L NO <sub>3</sub> )	50	2	2	100	<5,0	< 5,0	100	2	100	< 5,0	< 3,2	100	---	
	n.º de colónias a 37° C (N/mL)	saa	2	2	100	147	18	---	2	100	26	0	---	---	
	n.º de colónias a 22° C (N/mL)	saa	2	2	100	>300	0	---	2	100	288	24	---	---	
	CI	Cloretos (mg/L Cl)	250	1	1	100	4,4	---	100	1	100	6,1	---	100	---
		Ferro Total (mg/L µg/L Fe)	200	1	1	100	<50	---	100	1	100	195	---	100	---
		Sulfatos (mg/L SO <sub>4</sub> )	250	1	1	100	<2,0	---	100	1	100	< 5	---	100	---
Alumínio (µg/L Al)		200	1	1	100	<40	---	100	1	100	20	---	100	---	
Sódio (mg/L Na)		200	1	1	100	<5,0	---	100	1	100	6,8	---	100	---	
Nitritos (mg/L NO <sub>2</sub> )		0,5	1	1	100	<0,02	---	100	1	100	< 0,04	---	100	---	
Arsénio (µg/L As)		10	1	1	100	<3,0	---	100	1	100	< 4,0	---	100	---	
Boro (mg/L B)		1	1	1	100	<0,25	---	100	1	100	< 1,0	---	100	---	
Cádmio Total (µg/L Cd)		5	1	1	100	<1,0	---	100	1	100	< 0,3	---	100	---	
Chumbo Total (µg/L Pb)		25	1	1	100	<7,0	---	100	1	100	< 4,0	---	100	---	
Cobre Total (mg/L Cu)		2	1	1	100	<0,10	---	100	1	100	< 0,2	---	100	---	
Crómio Total (µg/L Cr)		50	1	1	100	<5,0	---	100	1	100	< 1,0	---	100	---	
Antimónio (µg/L Sb)		5	1	1	100	<4,0	---	100	1	100	< 2,0	---	100	---	
Mercúrio (µg/L Hg)		1	1	1	100	<0,5	---	100	1	100	< 0,1	---	100	---	
Dureza total (mg/L CaCO <sub>3</sub> )		---	1	1	100	4,0	---	---	1	100	< 31,5	---	---	---	
Cálcio (mg/L Ca)		---	1	1	100	<5,0	---	---	1	100	< 6,0	---	---	---	
Magnésio Total (mg/L Mg)		---	1	1	100	<2,0	---	---	1	100	< 4,0	---	---	---	
Níquel (µg/L Ni)		20	1	1	100	<6,0	---	100	1	100	< 2,0	---	100	---	
Selénio (µg/L Se)		10	1	1	100	<6,0	---	100	1	100	< 8,0	---	100	---	
Cianetos (µg/L CN)		50	1	1	100	<12	---	100	1	100	< 10	---	100	---	
Fluoretos (mg/L F)		1,5	1	1	100	<0,3	---	100	1	100	< 0,10	---	100	---	
Benzeno (µg/L C <sub>6</sub> H <sub>6</sub> )		1	1	1	100	<0,1	---	100	1	100	< 0,2	---	100	---	
Bromatos (µg/L BrO <sub>3</sub> )		25	1	1	100	<2,5	---	100	1	100	3	---	100	---	
1,2-dicloroetano (µg/L ClCH <sub>2</sub> CH <sub>2</sub> Cl)		3	1	1	100	<0,1	---	100	1	100	< 0,3	---	100	---	
Benzo[b]fluoranteno (µg/L BBFLT)		---	1	1	100	<0,005	---	---	1	100	< 0,01	---	---	---	
Benzo[k]fluoranteno (µg/L BKFLT)		---	1	1	100	<0,005	---	---	1	100	< 0,01	---	---	---	
Benzo[a]pireno (µg/L BAPY)		0,01	1	1	100	<0,005	---	100	1	100	< 0,01	---	100	---	
Benzo[g,h,i]perileno (µg/L BGHUPER)		---	1	1	100	<0,005	---	---	1	100	< 0,01	---	---	---	
Indeno[1,2,3-cd]pireno (µg/L IP)		---	1	1	100	<0,010	---	---	1	100	< 0,01	---	---	---	
Clorofórmio (µg/L CHCl <sub>3</sub> )		---	1	1	100	<0,1	---	---	1	100	7,6	---	---	---	
Bromofórmio (µg/L CHBr <sub>3</sub> )		---	1	1	100	<0,1	---	---	1	100	< 0,5	---	---	---	
Diclorobromometano (µg/L CHBrCl <sub>2</sub> )		---	1	1	100	<0,1	---	---	1	100	3,8	---	100	---	
Dibromoclorometano (µg/L CHClBr <sub>2</sub> )		---	1	1	100	<0,1	---	---	1	100	1,1	---	100	---	
Tetracloroetano (µg/L Cl <sub>2</sub> CCl <sub>2</sub> )		10	1	1	100	<0,1	---	100	1	100	<0,1	---	100	---	
Tricloroetano (µg/L Cl <sub>2</sub> CCHCl)		10	1	1	100	<0,1	---	100	1	100	<0,1	---	100	---	
<i>Enterococos</i> (N/100 mL)		0	1	1	100	0	---	100	1	100	0	---	100	---	
<i>Clostridium perfringens</i> (N/100 mL)		0	1	1	100	0	---	100	1	100	0	---	100	---	



Tipo de Controlo	Parâmetro	Valor Paramétrico (Dec.-Lei n.º 306/2007)	Nº de análises previstas no PCQA	Zona de Abastecimento de Vila Chã de Caria					Zona de Abastecimento de Soutosa							
				Análises		Resultados			medidas correctivas efectuadas	Análises		Resultados			medidas correctivas efectuadas	
				Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP		Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP		
CR1	Cloro residual livre (mg/L Cl <sub>2</sub> )	---	6	6	100	2,9	0,17	---	---	6	100	0,18	< 0,1	---	---	
	Bactérias coliformes (N/100 mL)	0	6	6	100	0	0	100	---	6	100	12	0	50	Segundo parecer do Delegado de Saúde foi efectuada desinfecção com cloro.	
	<i>Eschechia coli</i> (N/100 mL)	0	6	6	100	0	0	100	---	6	100	0	0	100	---	
CR2	Cor (mg/L Pt-Co)	20	2	2	100	< 5,0	< 1,0	100	---	2	100	<0,5	<0,5	100	---	
	Turvação (UNT)	4	2	2	100	< 1,0	< 0,2	100	---	2	100	<1,0	<1,0	100	---	
	pH (Unidades de pH)	6,5-9,0	2	2	100	5,8	5,6	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.	2	100	5,9	5,9	0	O Delegado de Saúde não emitiu parecer, pelo que se considerou não existir risco para a saúde humana.	
	Condutividade (µS/cm a 20°C)	2500	2	2	100	47	39	100	---	2	100	21	19	100	---	
	Amónio (mg/L NH <sub>4</sub> )	0,5	2	2	100	< 0,30	0,08	100	---	2	100	<0,05	<0,05	100	---	
	Oxidabilidade (mg/L O <sub>2</sub> )	5	2	2	100	1,2	< 1,0	100	---	2	100	<0,6	<0,5	100	---	
	Manganês (µg/L Mn)	50	2	2	100	< 25	< 0,8	100	---	2	100	< 25	< 15	100	---	
	Cheiro a 25° C (factor de diluição)	3	2	2	100	1	0	100	---	2	100	1	1	100	---	
	Sabor a 25° C (factor de diluição)	3	2	2	100	1	0	100	---	2	100	1	1	100	---	
	Nitratos (mg/L NO <sub>3</sub> )	50	2	2	100	< 5,0	< 3,2	100	---	2	100	<5,0	<5,0	100	---	
	n.º de colónias a 37° C (N/mL)	saa	2	2	100	2	0	---	---	2	100	>300	0	---	---	
	n.º de colónias a 22° C (N/mL)	saa	2	2	100	3	0	---	---	2	100	>300	0	---	---	
	CI	Cloretos (mg/L Cl)	250	1	1	100	5,6	---	100	---	1	100	2,9	---	100	---
		Ferro Total (mg/L µg/L Fe)	200	1	1	100	< 50	---	100	---	1	100	<50	---	100	---
		Sulfatos (mg/L SO <sub>4</sub> )	250	1	1	100	<2,0	---	100	---	1	100	<2,0	---	100	---
Alumínio (µg/L Al)		200	1	1	100	<40	---	100	---	1	100	<40	---	100	---	
Sódio (mg/L Na)		200	1	1	100	6,3	---	100	---	1	100	<5,0	---	100	---	
Nitritos (mg/L NO <sub>2</sub> )		0,5	1	1	100	<0,02	---	100	---	1	100	0,06	---	100	---	
Arsénio (µg/L As)		10	1	1	100	<3,0	---	100	---	1	100	<3,0	---	100	---	
Boro (mg/L B)		1	1	1	100	<0,25	---	100	---	1	100	<0,25	---	100	---	
Cádmio Total (µg/L Cd)		5	1	1	100	<1,0	---	100	---	1	100	<1,0	---	100	---	
Chumbo Total (µg/L Pb)		25	1	1	100	<7,0	---	100	---	1	100	<7,0	---	100	---	
Cobre Total (mg/L Cu)		2	1	1	100	<0,10	---	100	---	1	100	<0,10	---	100	---	
Crómio Total (µg/L Cr)		50	1	1	100	<5,0	---	100	---	1	100	<5,0	---	100	---	
Antimónio (µg/L Sb)		5	1	1	100	<4,0	---	100	---	1	100	<4,0	---	100	---	
Mercúrio (µg/L Hg)		1	1	1	100	<0,5	---	100	---	1	100	<0,5	---	100	---	
Dureza total (mg/L CaCO <sub>3</sub> )		---	1	1	100	7,0	---	---	---	1	100	<5	---	---	---	
Cálcio (mg/L Ca)		---	1	1	100	<5,0	---	---	---	1	100	1,6	---	---	---	
Magnésio Total (mg/L Mg)		---	1	1	100	<2,0	---	---	---	1	100	<2,0	---	---	---	
Níquel (µg/L Ni)		20	1	1	100	<6,0	---	100	---	1	100	<6,0	---	100	---	
Selénio (µg/L Se)		10	1	1	100	<6,0	---	100	---	1	100	<6,0	---	100	---	
Cianetos (µg/L CN)		50	1	1	100	<12	---	100	---	1	100	<12	---	100	---	
Flúor (mg/L F)		1,5	1	1	100	<0,3	---	100	---	1	100	0,3	---	100	---	
Benzeno (µg/L C <sub>6</sub> H <sub>6</sub> )		1	1	1	100	<0,1	---	100	---	1	100	<0,1	---	100	---	
Bromatos (µg/L BrO <sub>3</sub> )		25	1	1	100	<2,5	---	100	---	1	100	<2,5	---	100	---	
1,2-dicloroetano (µg/L ClCH <sub>2</sub> CH <sub>2</sub> Cl)		3	1	1	100	<0,1	---	100	---	1	100	<0,1	---	100	---	
Benzo[b]fluoranteno (µg/L BBFLT)		---	1	1	100	<0,005	---	---	---	1	100	<0,005	---	---	---	
Benzo[k]fluoranteno (µg/L BKFLT)		---	1	1	100	<0,005	---	---	---	1	100	<0,005	---	---	---	
Benzo[a]pireno (µg/L BAPY)		0,01	1	1	100	<0,005	---	100	---	1	100	<0,005	---	100	---	
Benzo[g,h,i]perileno (µg/L BGHUPER)		---	1	1	100	<0,005	---	---	---	1	100	<0,005	---	---	---	
Indeno[1,2,3-cd]pireno (µg/L IP)		---	1	1	100	<0,010	---	---	---	1	100	<0,010	---	---	---	
Clorofórmio (µg/L CHCl <sub>3</sub> )		---	1	1	100	0,2	---	---	---	1	100	<0,1	---	---	---	
Bromofórmio (µg/L CHBr <sub>3</sub> )		---	1	1	100	4,7	---	---	---	1	100	<0,1	---	---	---	
Diclorobromometano (µg/L CHBrCl <sub>2</sub> )		---	1	1	100	0,3	---	---	---	1	100	<0,1	---	---	---	
Dibromoclorometano (µg/L CHClBr <sub>2</sub> )		---	1	1	100	1,2	---	---	---	1	100	<0,1	---	---	---	
Tetracloreto (µg/L Cl <sub>2</sub> CCl <sub>2</sub> )		10	1	1	100	<0,1	---	100	---	1	100	<0,1	---	100	---	
Tricloroetano (µg/L Cl <sub>2</sub> CCHCl)		10	1	1	100	<0,1	---	100	---	1	100	<0,1	---	100	---	
<i>Enterococos</i> (N/100 mL)		0	1	1	100	0	---	100	---	1	100	0	---	100	---	
<i>Clostridium perfringens</i> (N/100 mL)		0	1	1	100	0	---	100	---	1	100	0	---	100	---	



Tipo de Controlo	Parâmetro	Valor Paramétrico (Dec.-Lei n.º 306/2007)	Nº de análises previstas no PCQA	Zona de Abastecimento de Peva					Zona de Abastecimento de S. Martinho						
				Análises		Resultados			medidas correctivas efectuadas	Análises		Resultados			medidas correctivas efectuadas
				Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP		Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP	
CR1	Cloro residual livre (mg/L Cl <sub>2</sub> )	---	6	6	100	0,18	< 0,10	---	---	6	100	0,23	< 0,10	---	---
	Bactérias coliformes (N/100 mL)	0	6	6	100	29	0	100	Segundo parecer do Delegado de Saúde foi efectuada desinfeção com cloro.	6	100	73	0	67	Segundo parecer do Delegado de Saúde foi efectuada desinfeção com cloro.
	<i>Eschechia coli</i> (N/100 mL)	0	6	6	100	0	0	100	---	6	100	0	0	100	---
CR2	Cor (mg/L Pt-Co)	20	2	2	100	< 5,0	< 1,0	100	---	2	100	<5,0	< 1,0	100	---
	Turvação (UNT)	4	2	2	100	< 1,0	< 0,20	100	---	2	100	<1,0	< 0,20	100	---
	pH (Unidades de pH)	6,5-9,0	2	2	100	6,4	6,2	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.	2	100	5,7	5,1	0	O Delegado de Saúde não emitiu parecer, pelo que se considerou não existir risco para a saúde humana.
	Condutividade (µS/cm a 20°C)	2500	2	2	100	66	21	100	---	2	100	26	17	100	---
	Amónio (mg/L NH <sub>4</sub> )	0,5	2	2	100	< 0,30	0,05	100	---	2	100	< 0,30	0,05	100	---
	Oxidabilidade (mg/L O <sub>2</sub> )	5	2	2	100	1	< 1,0	100	---	2	100	< 1,0	0,6	100	---
	Manganês (µg/L Mn)	50	2	2	100	< 25	5,9	100	---	2	100	< 25	8,9	100	---
	Cheiro a 25° C (factor de diluição)	3	2	2	100	1	0	100	---	2	100	1	0	100	---
	Sabor a 25° C (factor de diluição)	3	2	2	100	1	0	100	---	2	100	1	0	100	---
	Nitratos (mg/L NO <sub>3</sub> )	50	2	2	100	< 5,0	< 3,2	100	---	2	100	< 3,2	< 5,0	100	---
n.º de colónias a 37° C (N/mL)	saa	2	2	100	0	0	---	---	2	100	66	2	---	---	
n.º de colónias a 22° C (N/mL)	saa	2	2	100	39	8	---	---	2	100	>300	13	---	---	
CI	Cloretos (mg/L Cl)	250	1	1	100	2,9	---	100	---	1	100	18	---	---	---
	Ferro Total (mg/L µg/L Fe)	200	1	1	100	< 50	---	100	---	1	100	< 50	---	---	---
	Sulfatos (mg/L SO <sub>4</sub> )	250	1	1	100	< 2,0	---	100	---	1	100	< 2,0	---	---	---
	Alumínio (µg/L Al)	200	1	1	100	< 40	---	100	---	1	100	< 40	---	---	---
	Sódio (mg/L Na)	200	1	1	100	< 5,0	---	100	---	1	100	< 5,0	---	---	---
	Nitritos (mg/L NO <sub>2</sub> )	0,5	1	1	100	< 0,02	---	100	---	1	100	< 0,02	---	---	---
	Arsénio (µg/L As)	10	1	1	100	< 3,0	---	100	---	1	100	< 3,0	---	---	---
	Boro (mg/L B)	1	1	1	100	< 0,25	---	100	---	1	100	< 0,25	---	---	---
	Cádmio Total (µg/L Cd)	5	1	1	100	< 1,0	---	100	---	1	100	< 1,0	---	---	---
	Chumbo Total (µg/L Pb)	25	1	1	100	< 7,0	---	100	---	1	100	< 7,0	---	---	---
	Cobre Total (mg/L Cu)	2	1	1	100	< 0,1	---	100	---	1	100	< 0,1	---	---	---
	Crómio Total (µg/L Cr)	50	1	1	100	< 5,0	---	100	---	1	100	< 5,0	---	---	---
	Antimónio (µg/L Sb)	5	1	1	100	< 4,0	---	100	---	1	100	< 4,0	---	---	---
	Mercúrio (µg/L Hg)	1	1	1	100	< 0,5	---	100	---	1	100	< 0,5	---	---	---
	Dureza total (mg/L CaCO <sub>3</sub> )	---	1	1	100	9	---	---	---	1	100	< 5	---	---	---
	Cálcio (mg/L Ca)	---	1	1	100	< 5,0	---	---	---	1	100	< 5,0	---	---	---
	Magnésio Total (mg/L Mg)	---	1	1	100	< 2,0	---	---	---	1	100	< 2,0	---	---	---
	Níquel (µg/L Ni)	20	1	1	100	< 6,0	---	100	---	1	100	< 6,0	---	---	---
	Selénio (µg/L Se)	10	1	1	100	< 6,0	---	100	---	1	100	< 6,0	---	---	---
	Cianetos (µg/L CN)	50	1	1	100	< 12	---	100	---	1	100	< 12	---	---	---
	Flúor (mg/L F)	1,5	1	1	100	< 0,3	---	100	---	1	100	< 0,3	---	---	---
	Benzeno (µg/L C <sub>6</sub> H <sub>6</sub> )	1	1	1	100	< 0,1	---	100	---	1	100	< 0,1	---	---	---
	Bromatos (µg/L BrO <sub>3</sub> )	25	1	1	100	< 2,5	---	100	---	1	100	< 2,5	---	---	---
	1,2-dicloroetano (µg/L ClCH <sub>2</sub> CH <sub>2</sub> Cl)	3	1	1	100	< 0,1	---	100	---	1	100	< 0,1	---	---	---
	Benzo[b]fluoranteno (µg/L BBFLT)	---	1	1	100	< 0,005	---	---	---	1	100	< 0,005	---	---	---
	Benzo[k]fluoranteno (µg/L BKFLT)	---	1	1	100	< 0,005	---	---	---	1	100	< 0,005	---	---	---
	Benzo[a]pireno (µg/L BAPY)	0,01	1	1	100	< 0,005	---	100	---	1	100	< 0,005	---	---	---
	Benzo[g,h,i]perileno (µg/L BGHUPER)	---	1	1	100	< 0,005	---	---	---	1	100	< 0,005	---	---	---
	Indeno[1,2,3-cd]pireno (µg/L IP)	---	1	1	100	< 0,01	---	---	---	1	100	< 0,01	---	---	---
	Clorofórmio (µg/L CHCl <sub>3</sub> )	---	1	1	100	< 0,	---	---	---	1	100	< 0,1	---	---	---
	Bromofórmio (µg/L CHBr <sub>3</sub> )	---	1	1	100	< 0,1	---	---	---	1	100	< 0,1	---	---	---
	Diclorobromometano (µg/L CHBrCl <sub>2</sub> )	---	1	1	100	< 0,1	---	---	---	1	100	< 0,1	---	---	---
	Dibromoclorometano (µg/L CHClBr <sub>2</sub> )	---	1	1	100	< 0,1	---	---	---	1	100	< 0,1	---	---	---
	Tetracloroetano (µg/L Cl <sub>2</sub> CCl <sub>2</sub> )	10	1	1	100	< 0,1	---	100	---	1	100	< 0,1	---	---	---
Tricloroetano (µg/L Cl <sub>2</sub> CCHCl)	10	1	1	100	< 0,1	---	100	---	1	100	< 0,1	---	---	---	
<i>Enterococos</i> (N/100 mL)	0	1	1	100	0	---	100	---	1	100	0	---	---	---	
<i>Clostridium perfringens</i> (N/100 mL)	0	1	1	100	0	---	100	---	1	100	0	---	---	---	





Tipo de Controlo	Parâmetro	Valor Paramétrico (Dec.-Lei n.º 306/2007)	Nº de análises previstas no PCQA	Zona de Abastecimento de Paçô					Zona de Abastecimento de Sanfins						
				Análises		Resultados			medidas correctivas efectuadas	Análises		Resultados			medidas correctivas efectuadas
				Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP		Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP	
CR1	Cloro residual livre (mg/L Cl <sub>2</sub> )	---	6	6	100	0,55	0,1	---	---	6	100	0,54	< 0,1	---	---
	Bactérias coliformes (N/100 mL)	0	6	6	100	>300	0	67	Segundo parecer do Delegado de Saúde foi efectuada desinfecção com cloro.	6	100	32	0	83	Segundo parecer do Delegado de Saúde foi efectuada desinfecção com cloro.
	<i>Eschechia coli</i> (N/100 mL)	0	6	6	100	>300	0	83	---	6	100	1	0	83	Correcção com cloro.
CR2	Cor (mg/L Pt-Co)	20	2	2	100	<5,0	< 1,0	100	---	2	100	< 5,0	< 1,0	100	---
	Turvação (UNT)	4	2	2	100	< 1,0	< 0,2	100	---	2	100	< 1,0	0,47	100	---
	pH (Unidades de pH)	6,5-9,0	2	2	100	6,4	6,3	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.	2	100	6,2	5,9	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.
	Condutividade (µS/cm a 20°C)	2500	2	2	100	199	89	100	---	2	100	227	205	100	---
	Amónio (mg/L NH <sub>4</sub> )	0,5	2	2	100	<0,30	0,07	100	---	2	100	< 0,30	< 0,05	100	---
	Oxidabilidade (mg/L O <sub>2</sub> )	5	2	2	100	1,2	<1,1	100	---	2	100	1,5	1,1	100	---
	Manganês (µg/L Mn)	50	2	2	100	< 25	<0,9	100	---	2	100	< 25	14,9	100	---
	Cheiro a 25° C (factor de diluição)	3	2	2	100	1	0	100	---	2	100	1	0	100	---
	Sabor a 25° C (factor de diluição)	3	2	2	100	1	0	100	---	2	100	1	0	100	---
	Nitratos (mg/L NO <sub>3</sub> )	50	2	2	100	19,2	17,8	100	---	2	100	29	23,3	100	---
	n.º de colónias a 37° C (N/mL)	saa	2	2	100	0	0	---	---	2	100	24	0	---	---
	n.º de colónias a 22° C (N/mL)	saa	2	2	100	1	0	---	---	2	100	> 300	0	---	---
	CI	Cloretos (mg/L Cl)	250	1	1	100	24,2	---	100	---	1	100	26	---	100
Ferro Total (mg/L µg/L Fe)		200	1	1	100	< 50	---	100	---	1	100	< 50	---	100	---
Sulfatos (mg/L SO <sub>4</sub> )		250	1	1	100	9,9	---	100	---	1	100	16,6	---	100	---
Alumínio (µg/L Al)		200	1	1	100	< 40	---	100	---	1	100	< 40	---	100	---
Sódio (mg/L Na)		200	1	1	100	19,3	---	100	---	1	100	19	---	100	---
Nitritos (mg/L NO <sub>2</sub> )		0,5	1	1	100	<0,02	---	100	---	1	100	<0,02	---	100	---
Arsénio (µg/L As)		10	1	1	100	<3,0	---	100	---	1	100	<3,0	---	100	---
Boro (mg/L B)		1	1	1	100	<0,25	---	100	---	1	100	<0,25	---	100	---
Cádmio Total (µg/L Cd)		5	1	1	100	<1,0	---	100	---	1	100	<1,0	---	100	---
Chumbo Total (µg/L Pb)		25	1	1	100	<7,0	---	100	---	1	100	<7,0	---	100	---
Cobre Total (mg/L Cu)		2	1	1	100	<0,10	---	100	---	1	100	<0,10	---	100	---
Crómio Total (µg/L Cr)		50	1	1	100	<5,0	---	100	---	1	100	<5,0	---	100	---
Antimónio (µg/L Sb)		5	1	1	100	<4,0	---	100	---	1	100	<4,0	---	100	---
Mercúrio (µg/L Hg)		1	1	1	100	<0,5	---	100	---	1	100	<0,5	---	100	---
Dureza total (mg/L CaCO <sub>3</sub> )		---	1	1	100	< 5,0	---	---	---	1	100	44,4	---	---	---
Cálcio (mg/L Ca)		---	1	1	100	26,5	---	---	---	1	100	8	---	---	---
Magnésio Total (mg/L Mg)		---	1	1	100	3,8	---	---	---	1	100	4	---	---	---
Níquel (µg/L Ni)		20	1	1	100	<6,0	---	100	---	1	100	<6,0	---	100	---
Selénio (µg/L Se)		10	1	1	100	<6,0	---	100	---	1	100	<6,0	---	100	---
Cianetos (µg/L CN)		50	1	1	100	<12	---	100	---	1	100	<12	---	100	---
Fluoretos (mg/L F)		1,5	1	1	100	<0,3	---	100	---	1	100	<0,3	---	100	---
Benzeno (µg/L C <sub>6</sub> H <sub>6</sub> )		1	1	1	100	<0,1	---	100	---	1	100	<0,1	---	100	---
Bromatos (µg/L BrO <sub>3</sub> )		25	1	1	100	< 2,5	---	100	---	1	100	< 2,5	---	100	---
1,2-dicloroetano (µg/L ClCH <sub>2</sub> CH <sub>2</sub> Cl)		3	1	1	100	<0,1	---	100	---	1	100	<0,1	---	100	---
Benzo[b]fluoranteno (µg/L BBFLT)		---	1	1	100	<0,005	---	---	---	1	100	<0,005	---	---	---
Benzo[k]fluoranteno (µg/L BKFLT)		---	1	1	100	<0,005	---	---	---	1	100	<0,005	---	---	---
Benzo[a]pireno (µg/L BAPY)		0,01	1	1	100	<0,005	---	100	---	1	100	<0,005	---	100	---
Benzo[g,h,i]perileno (µg/L BGHUPER)		---	1	1	100	<0,005	---	---	---	1	100	<0,005	---	---	---
Indeno[1,2,3-cd]pireno (µg/L IP)		---	1	1	100	<0,010	---	---	---	1	100	<0,010	---	---	---
Clorofórmio (µg/L CHCl <sub>3</sub> )		---	1	1	100	1,6	---	---	---	1	100	0,2	---	---	---
Bromofórmio (µg/L CHBr <sub>3</sub> )		---	1	1	100	0,6	---	---	---	1	100	1,5	---	---	---
Diclorobromometano (µg/L CHBrCl <sub>2</sub> )		---	1	1	100	2,3	---	---	---	1	100	0,6	---	---	---
Dibromoclorometano (µg/L CHClBr <sub>2</sub> )		---	1	1	100	1,6	---	---	---	1	100	1,4	---	---	---
Tetracloroetano (µg/L Cl <sub>2</sub> CCCl <sub>2</sub> )		10	1	1	100	2,3	---	100	---	1	100	< 0,1	---	100	---
Tricloroetano (µg/L Cl <sub>2</sub> CCHCl)		10	1	1	100	<0,1	---	100	---	1	100	<0,1	---	100	---
<i>Enterococos</i> (N/100 mL)		0	1	1	100	0	---	100	---	1	100	0	---	100	---
<i>Clostridium perfringens</i> (N/100 mL)		0	1	1	100	0	---	100	---	1	100	0	---	100	---



Tipo de Controlo	Parâmetro	Valor Paramétrico (Dec.-Lei n.º 306/2007)	Nº de análises previstas no PCQA	Zona de Abastecimento de Semitela					medidas correctivas efectuadas
				Análises		Resultados			
				Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP	
CR1	Cloro residual livre (mg/L Cl <sub>2</sub> )	---	6	6	100	0,18	< 0,1	---	---
	Bactérias coliformes (N/100 mL)	0	6	6	100	0	0	100	---
	<i>Eschechia coli</i> (N/100 mL)	0	6	6	100	0	0	100	---
CR2	Cor (mg/L Pt-Co)	20	2	2	100	< 1,0	< 5,0	100	---
	Turvação (UNT)	4	2	2	100	< 0,20	< 1,0	100	---
	pH (Unidades de pH)	6,5-9,0	2	2	100	5,2	5,9	0	O Delegado de Saúde não emitiu parecer, pelo que se considerou não existir risco para a saúde humana.
	Condutividade (µS/cm a 20°C)	2500	2	2	100	30	26	100	---
	Amónio (mg/L NH <sub>4</sub> )	0,5	2	2	100	< 0,30	0,06	100	---
	Oxidabilidade (mg/L O <sub>2</sub> )	5	2	2	100	< 1,0	0,5	100	---
	Manganês (µg/L Mn)	50	2	2	100	54,4	25	50	O Delegado de Saúde não emitiu parecer, pelo que se considerou não existir risco para a saúde humana.
	Cheiro a 25° C (factor de diluição)	3	2	2	100	0	1	100	---
	Sabor a 25° C (factor de diluição)	3	2	2	100	0	1	100	---
	Nitratos (mg/L NO <sub>3</sub> )	50	2	2	100	4,2	< 5,0	100	---
	n.º de colónias a 37° C (N/mL)	saa	2	2	100	183	> 300	---	---
	n.º de colónias a 22° C (N/mL)	saa	2	2	100	>300	> 300	---	---
	CI	Cloretos (mg/L Cl)	250	1	1	100	< 3,0	---	100
Ferro Total (mg/L µg/L Fe)		200	1	1	100	< 100	---	100	---
Sulfatos (mg/L SO <sub>4</sub> )		250	1	1	100	< 5	---	100	---
Alumínio (µg/L Al)		200	1	1	100	55	---	100	---
Sódio (mg/L Na)		200	1	1	100	3,3	---	100	---
Nitritos (mg/L NO <sub>2</sub> )		0,5	1	1	100	< 0,04	---	100	---
Arsénio (µg/L As)		10	1	1	100	< 4,0	---	100	---
Boro (mg/L B)		1	1	1	100	< 1,0	---	100	---
Cádmio Total (µg/L Cd)		5	1	1	100	< 0,3	---	100	---
Chumbo Total (µg/L Pb)		25	1	1	100	< 4,0	---	100	---
Cobre Total (mg/L Cu)		2	1	1	100	< 0,2	---	100	---
Crómio Total (µg/L Cr)		50	1	1	100	< 1,0	---	100	---
Antimónio (µg/L Sb)		5	1	1	100	< 2,0	---	100	---
Mercurio (µg/L Hg)		1	1	1	100	< 0,1	---	100	---
Dureza total (mg/L CaCO <sub>3</sub> )		---	1	1	100	< 31,5	---	---	---
Cálcio (mg/L Ca)		---	1	1	100	< 6,0	---	---	---
Magnésio Total (mg/L Mg)		---	1	1	100	< 4,0	---	---	---
Níquel (µg/L Ni)		20	1	1	100	< 2,0	---	100	---
Selénio (µg/L Se)		10	1	1	100	< 8,0	---	100	---
Cianetos (µg/L CN)		50	1	1	100	< 10	---	100	---
Fluoretos (mg/L F)		1,5	1	1	100	< 0,10	---	100	---
Benzeno (µg/L C <sub>6</sub> H <sub>6</sub> )		1	1	1	100	< 0,2	---	100	---
Bromatos (µg/L BrO <sub>3</sub> )		25	1	1	100	< 1	---	100	---
1,2-dicloroetano (µg/L ClCH <sub>2</sub> CH <sub>2</sub> Cl)		3	1	1	100	< 0,3	---	100	---
Benzo[b]fluoranteno (µg/L BBFLT)		---	1	1	100	< 0,01	---	---	---
Benzo[k]fluoranteno (µg/L BKFLT)		---	1	1	100	< 0,01	---	---	---
Benzo[a]pireno (µg/L BAPY)		0,01	1	1	100	< 0,01	---	100	---
Benzo[g,h,i]perileno (µg/L BGHUPER)		---	1	1	100	< 0,01	---	---	---
Indeno[1,2,3-cd]pireno (µg/L IP)		---	1	1	100	< 0,01	---	---	---
Clorofórmio (µg/L CHCl <sub>3</sub> )		---	1	1	100	< 0,5	---	---	---
Bromofórmio (µg/L CHBr <sub>3</sub> )		---	1	1	100	< 0,5	---	---	---
Diclorobromometano (µg/L CHBrCl <sub>2</sub> )		---	1	1	100	< 0,5	---	---	---
Dibromoclorometano (µg/L CHClBr <sub>2</sub> )		---	1	1	100	< 0,5	---	---	---
Tetracloroetano (µg/L Cl <sub>2</sub> CCl <sub>2</sub> )		10	1	1	100	< 0,1	---	100	---
Tricloroetano (µg/L Cl <sub>2</sub> CCHCl)		10	1	1	100	< 0,1	---	100	---
<i>Enterococos</i> (N/100 mL)		0	1	1	100	0	---	100	---
<i>Clostridium perfringens</i> (N/100 mL)		0	1	1	100	0	---	100	---



Tipo de Controlo	Parâmetro	Valor Paramétrico (Dec.-Lei n.º 306/2007)	Nº de análises previstas no PCQA	Zona de Abastecimento de Sever					medidas correctivas efectuadas
				Análises		Resultados			
				Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP	
CR1	Cloro residual livre (mg/L Cl <sub>2</sub> )	---	13	13	100	1,84	< 0,1	---	---
	Bactérias coliformes (N/100 mL)	0	13	13	100	51	0	95	Segundo parecer do Delegado de Saúde foi efectuada desinfeção com cloro.
	<i>Eschechia coli</i> (N/100 mL)	0	13	13	100	41	0	92	Foi efectuada restrição no abastecimento e desinfeção com cloro.
CR2	Cor (mg/L Pt-Co)	20	4	4	100	< 5,0	< 1,0	100	---
	Turvação (UNT)	4	4	4	100	< 1,0	< 0,20	100	---
	pH (Unidades de pH)	6,5-9,0	4	4	100	6,1	5,5	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.
	Condutividade (µS/cm a 20°C)	2500	4	4	100	82	43	100	---
	Amónio (mg/L NH <sub>4</sub> )	0,5	4	4	100	< 0,30	0	100	---
	Oxidabilidade (mg/L O <sub>2</sub> )	5	4	4	100	1,3	< 0,05	100	---
	Manganês (µg/L Mn)	50	4	4	100	28,7	0,8	100	---
	Cheiro a 25° C (factor de diluição)	3	4	4	100	2	0	100	---
	Sabor a 25° C (factor de diluição)	3	4	4	100	2	0	100	---
	Nitratos (mg/L NO <sub>3</sub> )	50	4	4	100	9	< 5,0	100	---
	n.º de colónias a 37° C (N/mL)	saa	4	4	100	> 300	0	---	---
n.º de colónias a 22° C (N/mL)	saa	4	4	100	> 300	0	---	---	
CI	Cloretos (mg/L Cl)	250	1	1	100	5,6	---	100	---
	Ferro Total (mg/L µg/L Fe)	200	1	1	100	< 50	---	100	---
	Sulfatos (mg/L SO <sub>4</sub> )	250	1	1	100	< 2,0	---	100	---
	Alumínio (µg/L Al)	200	1	1	100	< 40	---	100	---
	Sódio (mg/L Na)	200	1	1	100	< 5,0	---	100	---
	Nitritos (mg/L NO <sub>2</sub> )	0,5	1	1	100	< 0,02	---	100	---
	Arsénio (µg/L As)	10	1	1	100	< 3,0	---	100	---
	Boro (mg/L B)	1	1	1	100	< 0,25	---	100	---
	Cádmio Total (µg/L Cd)	5	1	1	100	< 1,0	---	100	---
	Chumbo Total (µg/L Pb)	25	1	1	100	< 7,0	---	100	---
	Cobre Total (mg/L Cu)	2	1	1	100	< 0,10	---	100	---
	Crómio Total (µg/L Cr)	50	1	1	100	< 5,0	---	100	---
	Antimónio (µg/L Sb)	5	1	1	100	< 4,0	---	100	---
	Mercúrio (µg/L Hg)	1	1	1	100	< 0,5	---	100	---
	Dureza total (mg/L CaCO <sub>3</sub> )	---	1	1	100	39	---	---	---
	Cálcio (mg/L Ca)	---	1	1	100	< 5	---	---	---
	Magnésio Total (mg/L Mg)	---	1	1	100	< 2,0	---	---	---
	Níquel (µg/L Ni)	20	1	1	100	< 6,0	---	100	---
	Selénio (µg/L Se)	10	1	1	100	< 6,0	---	100	---
	Cianetos (µg/L CN)	50	1	1	100	< 12	---	100	---
	Flúor (mg/L F)	1,5	1	1	100	< 0,3	---	100	---
	Benzeno (µg/L C <sub>6</sub> H <sub>6</sub> )	1	1	1	100	< 0,1	---	100	---
	Bromatos (µg/L BrO <sub>3</sub> )	25	1	1	100	< 2,5	---	100	---
	1,2-dicloroetano (µg/L ClCH <sub>2</sub> CH <sub>2</sub> Cl)	3	1	1	100	< 0,1	---	100	---
	Benzo[b]fluoranteno (µg/L BBFLT)	---	1	1	100	< 0,005	---	---	---
	Benzo[k]fluoranteno (µg/L BKFLT)	---	1	1	100	< 0,005	---	---	---
	Benzo[a]pireno (µg/L BAPY)	0,01	1	1	100	< 0,005	---	100	---
	Benzo[g,h,i]perileno (µg/L BGHUPER)	---	1	1	100	< 0,005	---	---	---
	Indeno[1,2,3-cd]pireno (µg/L IP)	---	1	1	100	< 0,010	---	---	---
	Clorofórmio (µg/L CHCl <sub>3</sub> )	---	1	1	100	0,5	---	---	---
	Bromofórmio (µg/L CHBr <sub>3</sub> )	---	1	1	100	< 0,1	---	---	---
	Bromodichlorometano (µg/L CHBrCl <sub>2</sub> )	---	1	1	100	< 0,1	---	---	---
	Dibromoclorometano (µg/L CHClBr <sub>2</sub> )	---	1	1	100	< 0,1	---	---	---
	Tetracloroetano (µg/L Cl <sub>2</sub> CCl <sub>2</sub> )	10	1	1	100	< 0,1	---	100	---
	Tricloroetano (µg/L Cl <sub>2</sub> CCHCl)	10	1	1	100	< 0,1	---	100	---
	<i>Enterococos</i> (N/100 mL)	0	1	1	100	0	---	100	---
	<i>Clostridium perfringens</i> (N/100 mL)	0	1	1	100	0	---	100	---

A Zona de Abastecimento Sever diz respeito às localidades:

Arcas  
Barracão  
Granjinha  
Sever



Tipo de Controlo	Parâmetro	Valor Paramétrico (Dec.-Lei n.º 306/2007)	Nº de análises previstas no PCQA	Zona de Abastecimento de Serra da Nave					medidas correctivas efectuadas
				Análises		Resultados			
				Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP	
CR1	Cloro residual livre (mg/L Cl <sub>2</sub> )	---	12	12	100	0,49	<0,10	---	---
	Bactérias coliformes (N/100 mL)	0	12	12	100	> 300	0	75	Segundo parecer do Delegado de Saúde foi efectuada desinfeção com cloro.
	<i>Eschechia coli</i> (N/100 mL)	0	12	12	100	0	0	100	---
CR2	Cor (mg/L Pt-Co)	20	4	4	100	< 5,0	< 1,0	100	---
	Turvação (UNT)	4	4	4	100	2,5	< 0,20	100	---
	pH (Unidades de pH)	6,5-9,0	4	4	100	6,3	4,6	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.
	Condutividade (µS/cm a 20°C)	2500	4	4	100	38	22	100	---
	Amónio (mg/L NH <sub>4</sub> )	0,5	4	4	100	< 0,3	0,05	100	---
	Oxidabilidade (mg/L O <sub>2</sub> )	5	4	4	100	< 1,0	< 0,5	100	---
	Manganês (µg/L Mn)	50	4	4	100	< 25	< 0,8	100	---
	Cheiro a 25° C (factor de diluição)	3	4	4	100	1	0	100	---
	Sabor a 25° C (factor de diluição)	3	4	4	100	1	0	100	---
	Nitratos (mg/L NO <sub>3</sub> )	50	4	4	100	< 5,0	< 3,2	100	---
	n.º de colónias a 37° C (N/mL)	saa	4	4	100	190	0	---	---
n.º de colónias a 22° C (N/mL)	saa	4	4	100	63	1	---	---	
CI	Cloretos (mg/L Cl)	250	1	1	100	4,3	---	100	---
	Ferro Total (mg/L µg/L Fe)	200	1	1	100	363	---	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.
	Sulfatos (mg/L SO <sub>4</sub> )	250	1	1	100	< 5	---	100	---
	Alumínio (µg/L Al)	200	1	1	100	25	---	100	---
	Sódio (mg/L Na)	200	1	1	100	5,0	---	100	---
	Nitritos (mg/L NO <sub>2</sub> )	0,5	1	1	100	0,27	---	100	---
	Arsénio (µg/L As)	10	1	1	100	< 4,0	---	100	---
	Boro (mg/L B)	1	1	1	100	< 1,0	---	100	---
	Cádmio Total (µg/L Cd)	5	1	1	100	< 0,3	---	100	---
	Chumbo Total (µg/L Pb)	25	1	1	100	7,4	---	100	---
	Cobre Total (mg/L Cu)	2	1	1	100	< 0,2	---	100	---
	Crómio Total (µg/L Cr)	50	1	1	100	< 1,0	---	100	---
	Antimónio (µg/L Sb)	5	1	1	100	< 2,0	---	100	---
	Mercúrio (µg/L Hg)	1	1	1	100	< 0,1	---	100	---
	Dureza total (mg/L CaCO <sub>3</sub> )	---	1	1	100	< 31,5	---	---	---
	Cálcio (mg/L Ca)	---	1	1	100	< 6,0	---	---	---
	Magnésio Total (mg/L Mg)	---	1	1	100	< 4,0	---	---	---
	Níquel (µg/L Ni)	20	1	1	100	< 2,0	---	100	---
	Selénio (µg/L Se)	10	1	1	100	< 8,0	---	100	---
	Cianetos (µg/L CN)	50	1	1	100	< 10	---	100	---
	Flúor (mg/L F)	1,5	1	1	100	< 0,10	---	100	---
	Benzeno (µg/L C <sub>6</sub> H <sub>6</sub> )	1	1	1	100	< 0,2	---	100	---
	Bromatos (µg/L BrO <sub>3</sub> )	25	1	1	100	< 1	---	100	---
	1,2-dicloroetano (µg/L ClCH <sub>2</sub> CH <sub>2</sub> Cl)	3	1	1	100	< 0,3	---	100	---
	Benzo[b]fluoranteno (µg/L BBFLT)	---	1	1	100	< 0,01	---	---	---
	Benzo[k]fluoranteno (µg/L BKFLT)	---	1	1	100	< 0,01	---	---	---
	Benzo[a]pireno (µg/L BAPY)	0,01	1	1	100	< 0,01	---	100	---
	Benzo[g,h,i]perileno (µg/L BGHUPER)	---	1	1	100	< 0,01	---	---	---
	Indeno[1,2,3-cd]pireno (µg/L IP)	---	1	1	100	< 0,01	---	---	---
	Clorofórmio (µg/L CHCl <sub>3</sub> )	---	1	1	100	< 1	---	---	---
	Bromofórmio (µg/L CHBr <sub>3</sub> )	---	1	1	100	< 0,5	---	---	---
	Bromodichlorometano (µg/L CHBrCl <sub>2</sub> )	---	1	1	100	< 0,5	---	---	---
	Dibromoclorometano (µg/L CHClBr <sub>2</sub> )	---	1	1	100	< 0,5	---	---	---
	Tetracloroetano (µg/L Cl <sub>2</sub> CCl <sub>2</sub> )	10	1	1	100	< 0,1	---	100	---
	Tricloroetano (µg/L Cl <sub>2</sub> CCHCl)	10	1	1	100	< 0,1	---	100	---
	<i>Enterococos</i> (N/100 mL)	0	1	1	100	0	---	100	---
	<i>Clostridium perfringens</i> (N/100 mL)	0	1	1	100	0	---	100	---

**A Zona de Abastecimento Serra da Nave diz respeito às localidades:**

Moimenta\_parque industrial  
 Moimenta\_farol  
 Alto de Fornos  
 Fornos  
  
 Paradinha  
 Toitam  
 Carapito



Zona de Abastecimento ATMAD									
Tipo de Controlo	Parâmetro	Valor Paramétrico (Dec.-Lei n.º 306/2007)	Nº de análises previstas no PCQA	Análises		Resultados			medidas correctivas efectuadas
				Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises realizadas que cumprem o VP	
CR1	Cloro residual livre (mg/L Cl <sub>2</sub> )	---	24	24	100	0,57	< 0,1	---	---
	Bactérias coliformes (N/100 mL)	0	24	24	100	0	0	100	---
	<i>Eschechia coli</i> (N/100 mL)	0	24	24	100	0	0	100	---
CR2	Cor (mg/L Pt-Co)	20	12	12	100	< 5,0	< 1,0	100	---
	Turvação (UNT)	4	12	12	100	< 1,0	< 0,2	100	---
	pH (Unidades de pH)	6,5-9,0	12	12	100	8	7,1	100	---
	Condutividade (µS/cm a 20°C)	2500	12	12	100	214,0	82,0	100	---
	Amónio (mg/L NH <sub>4</sub> )	0,5	12	12	100	0,31	< 0,05	100	---
	Oxidabilidade (mg/L O <sub>2</sub> )	5	12	12	100	1,5	0,6	100	---
	Alumínio (µg/L Al)	200	12	12	100	191	14	100	---
	Manganês (µg/L Mn)	50	12	12	100	27,2	1,0	100	---
	Cheiro a 25° C (factor de diluição)	3	12	12	100	1	0	100	---
	Sabor a 25° C (factor de diluição)	3	12	12	100	1	0	100	---
	n.º de colónias a 37° C (N/mL)	saa	12	12	100	>300	0	100	---
	n.º de colónias a 22° C (N/mL)	saa	12	12	100	>300	0	---	---
	<i>Clostridium perfringens</i> (N/100 mL)	0	12	12	100	0	0	---	---
	CI	Ferro Total (mg/L µg/L Fe)	200	2	2	100	< 100	< 50	100
Carbono Orgânico Total (mg/L C)		saa	2	2	100	2	1,1	100	---
Nitritos (mg/L NO <sub>2</sub> )		0,5	2	2	100	< 0,04	< 0,02	100	---
Chumbo Total (µg/L Pb)		25	2	2	100	< 7,0	< 4,0	100	---
Cobre Total (mg/L Cu)		2	2	2	100	< 0,20	< 0,10	100	---
Dureza total (mg/L CaCO <sub>3</sub> )		---	2	2	100	89,8	47,2	---	---
Cálcio (mg/L Ca)		---	2	2	100	36	18,8	---	---
Magnésio Total (mg/L Mg)		---	2	2	100	< 4,0	< 2,0	---	---
Níquel (µg/L Ni)		20	2	2	100	9,1	< 6,0	100	---
Benzo[b]fluoranteno (µg/L BBFLT)		---	2	2	100	< 0,01	< 0,005	100	---
Benzo[k]fluoranteno (µg/L BKFLT)		---	2	2	100	< 0,01	< 0,005	100	---
Benzo[a]pireno (µg/L BAPY)		0,01	2	2	100	< 0,01	< 0,005	100	---
Benzo[g,h,i]perileno (µg/L BGHIPER)		---	2	2	100	< 0,01	< 0,005	---	---
Indeno[1,2,3-cd]pireno (µg/L IP)		---	2	2	100	< 0,01	< 0,010	---	---
Clorofórmio (µg/L CHCl <sub>3</sub> )		---	2	2	100	16	11	---	---
Bromofórmio (µg/L CHBrCl <sub>2</sub> )		---	2	2	100	< 0,5	< 0,1	---	---
Dibromoclorometano (µg/L CHClBr <sub>2</sub> )		---	2	2	100	3,9	1,2	---	---
Bromodichlorometano (µg/L CHCl <sub>2</sub> Br <sub>2</sub> )		---	2	2	100	10	4,6	---	---
<i>Enterococos</i> (N/100 mL)		0	2	2	100	0	0	100	---

**A Zona de Abastecimento ATMAD diz respeito às localidades:**

Alvite	Moimenta da Beira - Este
Arcozelo do Cabo	Vila da Rua
Arcozelo da Torre	Granja dos Oleiros
Baldos	Prados
Cabaços	Vide
Caria	Vilar
Mileu	Barragem do Vilar
Vila Cova de Caria	
Leomil	
Beira Valente	
Paraduça	

**Notas Finais:**

- n.º de análises previstas no PQCA = n.º de análises realizadas, corresponde a 100% de análises realizadas
- os incumprimentos microbiológicos verificados prendem-se com a falta de desinfeção nos sistemas de abastecimento onde ocorrem, tendo sido corrigidos com adição manual de cloro.
- os incumprimentos físico- químicos verificados (pH, ferro, manganês) prendem-se com a composição da água bruta captada (influência dos solos) que segundo parecer da autoridade de saúde de Moimenta da Beira não constituem risco para a saúde humana.

- PCQA: Programa de controlo da qualidade da água (2008)
- VP: valor paramétrico. É o valor obrigatório/recomendado por lei.