



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 ₂)	---	6	3	50	0,55	0,11	---	---	3	50	0,16	< 0,1	---	---
	Bactérias coliformes (N/100 mL)	0	6	3	50	2	0	33,33	Segundo parecer do Delegado de Saúde foi efectuada desinfeção com cloro.	3	50	32	0	33,33	Segundo parecer do Delegado de Saúde foi efectuada desinfeção com cloro.
	<i>Eschechia coli</i> (N/100 mL)	0	6	3	50	0	0	100	---	3	50	1	0	33,33	Correcção com cloro.
CR2	Cor (mg/L Pt-Co)	20	2	1	50	<1,0	---	100	---	1	50	< 1,0	---	100	---
	Turvação (UNT)	4	2	1	50	<0,2	---	100	---	1	50	0,47	---	100	---
	pH (Unidades de pH)	6,5-9,0	2	1	50	6,4 (14°C)	---	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.	1	50	5,9 (19°C)	---	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	1	50	89	---	100	---	1	50	205	---	100	---
	Amónio (mg/L NH ₄)	0,50	2	1	50	<0,30	---	100	---	1	50	< 0,30	---	100	---
	Oxidabilidade (mg/L O ₂)	5,0	2	1	50	<1,0	---	100	---	1	50	1,1	---	100	---
	Manganês (µg/L Mn)	50	2	1	50	<0,8	---	100	---	1	50	14,9	---	100	---
	Cheiro a 25° C (factor de diluição)	3	2	1	50	0	---	100	---	1	50	0	---	100	---
	Sabor a 25° C (factor de diluição)	3	2	1	50	0	---	100	---	1	50	0	---	100	---
	Nitratos (mg/L NO ₃)	50	2	1	50	17,8	---	100	---	1	50	23,3	---	100	---
	n.º de colónias a 37° C (N/mL)	saa	2	1	50	0	---	---	---	1	50	24	---	---	---
	n.º de colónias a 22° C (N/mL)	saa	2	1	50	1	---	---	---	1	50	> 300	---	---	---

Tipo de Controlo	Parâmetro	Valor Paramétrico (Dec.-Lei n.º 306/2007)	Nº de análises previstas no PCQA	Zona de Abastecimento de Sever (Arcas/Barracão/Granjinha e Sever)					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 ₂)	---	12	6	50	1,84	< 0,1	---	---	3	50	0,78	<0,1	---	---
	Bactérias coliformes (N/100 mL)	0	12	6	50	0	0	100	---	3	50	0	0	100	---
	<i>Eschechia coli</i> (N/100 mL)	0	12	6	50	0	0	100	---	3	50	0	0	100	---
CR2	Cor (mg/L Pt-Co)	20	4	2	50	< 1,0	< 1,1	100	---	1	50	<5,0	---	100	---
	Turvação (UNT)	4	4	2	50	< 0,20	< 0,20	100	---	1	50	<1,0	---	100	---
	pH (Unidades de pH)	6,5-9,0	4	2	50	6,1 (19°C)	5,5 (15°C)	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.	1	50	5,8 (20°C)	---	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	4	2	50	82	60	100	---	1	50	70	---	100	---
	Amónio (mg/L NH ₄)	0,50	4	2	50	< 0,30	< 0,30	100	---	1	50	<0,05	---	100	---
	Oxidabilidade (mg/L O ₂)	5,0	4	2	50	1,3	< 1,0	100	---	1	50	<0,5	---	100	---
	Manganês (µg/L Mn)	50	4	2	50	28,7	0,8	100	---	1	50	<15	---	100	---
	Cheiro a 25° C (factor de diluição)	3	4	2	50	0	0	100	---	1	50	2	---	100	---
	Sabor a 25° C (factor de diluição)	3	4	2	50	0	0	100	---	1	50	2	---	100	---
	Nitratos (mg/L NO ₃)	50	4	2	50	9	7,2	100	---	1	50	14	---	100	---
	n.º de colónias a 37° C (N/mL)	saa	4	2	50	1	0	---	---	1	50	0	---	---	---
	n.º de colónias a 22° C (N/mL)	saa	4	2	50	0	0	---	---	1	50	0	---	---	---



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 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 ₂)	---	6	3	50	2,9	0,8	---	---	3	50	< 0,1	< 0,1	---	---
	Bactérias coliformes (N/100 mL)	0	6	3	50	0	0	100	---	3	50	0	0	100	---
	<i>Eschechia coli</i> (N/100 mL)	0	6	3	50	0	0	100	---	3	50	0	0	100	---
CR2	Cor (mg/L Pt-Co)	20	2	1	50	< 1,0	---	100	---	1	50	<5,0	---	100	---
	Turvação (UNT)	4	2	1	50	< 0,2	---	100	---	1	50	<1,0	---	100	---
	pH (Unidades de pH)	6,5-9,0	2	1	50	5,6 (20°C)	---	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.	1	50	6,3 (20°C)	---	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	1	50	47	---	100	---	1	50	49	---	100	---
	Amónio (mg/L NH ₄)	0,50	2	1	50	< 0,30	---	100	---	1	50	<0,05	---	100	---
	Oxidabilidade (mg/L O ₂)	5,0	2	1	50	< 1,0	---	100	---	1	50	0,6	---	100	---
	Manganês (µg/L Mn)	50	2	1	50	< 0,8	---	100	---	1	50	<15	---	100	---
	Cheiro a 25° C (factor de diluição)	3	2	1	50	0	---	100	---	1	50	1	---	100	---
	Sabor a 25° C (factor de diluição)	3	2	1	50	0	---	100	---	1	50	1	---	100	---
	Nitratos (mg/L NO ₃)	50	2	1	50	< 3,2	---	100	---	1	50	<5,0	---	100	---
	n.º de colónias a 37° C (N/mL)	saa	2	1	50	2	---	---	---	1	50	>300	---	---	---
	n.º de colónias a 22° C (N/mL)	saa	2	1	50	3	---	---	---	1	50	> 300	---	---	---

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 ₂)	---	6	3	50	< 0,10	< 0,10	---	---	3	50	0,13	< 0,10	---	---
	Bactérias coliformes (N/100 mL)	0	6	3	50	0	0	100	---	3	50	2	0	100	Segundo parecer do Delegado de Saúde foi efectuada desinfeção com cloro.
	<i>Eschechia coli</i> (N/100 mL)	0	6	3	50	0	0	100	---	3	50	0	0	100	---
CR2	Cor (mg/L Pt-Co)	20	2	1	50	< 1,0	---	100	---	1	50	< 1,0	---	100	---
	Turvação (UNT)	4	2	1	50	< 0,20	---	100	---	1	50	< 0,20	---	100	---
	pH (Unidades de pH)	6,5-9,0	2	1	50	6,2 (15°C)	---	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.	1	50	5,7 (19°C)	---	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	1	50	66	---	100	---	1	50	26	---	100	---
	Amónio (mg/L NH ₄)	0,50	2	1	50	< 0,30	---	100	---	1	50	< 0,30	---	100	---
	Oxidabilidade (mg/L O ₂)	5,0	2	1	50	< 1,0	---	100	---	1	50	< 1,0	---	100	---
	Manganês (µg/L Mn)	50	2	1	50	5,9	---	100	---	1	50	8,9	---	100	---
	Cheiro a 25° C (factor de diluição)	3	2	1	50	0	---	100	---	1	50	0	---	100	---
	Sabor a 25° C (factor de diluição)	3	2	1	50	0	---	100	---	1	50	0	---	100	---
	Nitratos (mg/L NO ₃)	50	2	1	50	< 3,2	---	100	---	1	50	< 3,2	---	100	---
	n.º de colónias a 37° C (N/mL)	saa	2	1	50	0	---	---	---	1	50	2	---	---	---
	n.º de colónias a 22° C (N/mL)	saa	2	1	50	8	---	---	---	1	50	13	---	---	---

Nota:

- n.º de análises previstas no PCQA = 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. Está em curso uma campanha de aquisição de doseadores de cloro para todas as zonas de abastecimento.
- os incumprimentos físico- químicos verificados (pH, ferro, manganês) prendem-se com a composição da água 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.



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 Peravelha							
				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 ₂)	---	6	3	50	0,10	<0,1	---	---	3	50	0,10	<0,10	---	---	
	Bactérias coliformes (N/100 mL)	0	6	3	50	0	0	100	---	3	50	13	0	33,33	Segundo parecer do Delegado de Saúde foi efectuada desinfeção com cloro.	
	<i>Eschechia coli</i> (N/100 mL)	0	6	3	50	0	0	100	---	3	50	0	0	100	---	
CR2	Cor (mg/L Pt-Co)	20	2	1	50	< 1,0	---	100	---	1	50	< 1,0	---	100	---	
	Turvação (UNT)	4	2	1	50	< 0,20	---	100	---	1	50	< 0,20	---	100	---	
	pH (Unidades de pH)	6,5-9,0	2	1	50	5,3 (20°C)	---	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.	1	50	5,1 (15°C)	---	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	1	50	33	---	100	---	1	50	32	---	100	---	
	Amónio (mg/L NH ₄)	0,5	2	1	50	< 0,30	---	100	---	1	50	< 0,30	---	100	---	
	Oxidabilidade (mg/L O ₂)	5	2	1	50	< 1,0	---	100	---	1	50	< 1,0	---	100	---	
	Manganês (µg/L Mn)	50	2	1	50	7,6	---	100	---	1	50	7,5	---	100	---	
	Cheiro a 25° C (factor de diluição)	3	2	1	50	0	---	100	---	1	50	0	---	100	---	
	Sabor a 25° C (factor de diluição)	3	2	1	50	0	---	100	---	1	50	0	---	100	---	
	Nitratos (mg/L NO ₃)	50	2	1	50	< 3,2	---	100	---	1	50	< 3,2	---	100	---	
	n.º de colónias a 37° C (N/mL)	saa	2	1	50	14	---	100	---	1	50	1	---	100	---	
	n.º de colónias a 22° C (N/mL)	saa	2	1	50	20	---	100	---	1	50	20	---	100	---	
	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 ₄)		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 ₂)		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 ₃)		---	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 ₆ H ₆)		1	1	1	100	< 0,2	---	100	---	1	100	< 0,2	---	100	---	
Bromatos (µg/L BrO ₃)		25	1	1	100	< 1	---	100	---	1	100	< 1,0	---	100	---	
1,2-dicloroetano (µg/L ClCH ₂ CH ₂ 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 ₃)		---	1	1	100	< 0,5	---	---	---	1	100	< 0,5	---	---	---	
Bromofórmio (µg/L CHBr ₃)		---	1	1	100	< 0,5	---	---	---	1	100	< 0,5	---	---	---	
Diclorobromometano (µg/L CHBrCl ₂)		---	1	1	100	< 0,5	---	---	---	1	100	< 0,5	---	---	---	
Dibromoclorometano (µg/L CHClBr ₂)		---	1	1	100	< 0,5	---	---	---	1	100	< 0,5	---	---	---	
Tetracloroetano (µg/L Cl ₂ CCl ₂)		10	1	1	100	< 0,1	---	100	---	1	100	< 0,1	---	100	---	
Tricloroetano (µg/L Cl ₂ 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 ₂)	---	6	3	50	1,43	< 0,1	---	---	3	50	0,46	0,2	---	---	
	Bactérias coliformes (N/100 mL)	0	6	3	50	> 100	0	33,33	Inteção física na captação e colocação de doseador de cloro automático.	3	50	1	0	33,33	Segundo parecer do Delegado de Saúde foi efectuada desinfeção com cloro.	
	<i>Eschechia coli</i> (N/100 mL)	0	6	3	50	0	0	100	---	3	50	0	0	100	---	
CR2	Cor (mg/L Pt-Co)	20	2	1	50	< 1,0	---	100	---	1	50	< 1,0	---	100	---	
	Turvação (UNT)	4	2	1	50	< 0,20	---	100	---	1	50	0,44	---	100	---	
	pH (Unidades de pH)	6,5-9,0	2	1	50	4,8 (14°C)	---	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir risco para a saúde humana.	1	50	5,0 (19°C)	---	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	1	50	25	---	100	---	1	50	26	---	100	---	
	Amónio (mg/L NH ₄)	0,5	2	1	50	< 0,30	---	100	---	1	50	< 0,30	---	100	---	
	Oxidabilidade (mg/L O ₂)	5	2	1	50	< 1,0	---	100	---	1	50	< 1,0	---	100	---	
	Manganês (µg/L Mn)	50	2	1	50	12,1	---	100	---	1	50	16,6	---	100	---	
	Cheiro a 25° C (factor de diluição)	3	2	1	50	0	---	100	---	1	50	0	---	100	---	
	Sabor a 25° C (factor de diluição)	3	2	1	50	0	---	100	---	1	50	0	---	100	---	
	Nitratos (mg/L NO ₃)	50	2	1	50	< 3,2	---	100	---	1	50	< 3,2	---	100	---	
	n.º de colónias a 37° C (N/mL)	saa	2	1	50	5	---	100	---	1	50	0	---	100	---	
	n.º de colónias a 22° C (N/mL)	saa	2	1	50	62	---	100	---	1	50	0	---	100	---	
	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 ₄)		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 ₂)		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	---	
Merúrio (µg/L Hg)		1	1	1	100	< 0,1	---	100	---	1	100	< 0,1	---	100	---	
Dureza total (mg/L CaCO ₃)		---	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 ₆ H ₆)		1	1	1	100	< 0,2	---	100	---	1	100	< 0,2	---	100	---	
Bromatos (µg/L BrO ₃)		25	1	1	100	< 1,0	---	100	---	1	100	< 1,0	---	100	---	
1,2-dicloroetano (µg/L ClCH ₂ CH ₂ 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 ₃)		---	1	1	100	< 0,5	---	---	---	1	100	11	---	---	---	
Bromofórmio (µg/L CHBr ₃)		---	1	1	100	< 0,5	---	---	---	1	100	< 0,5	---	---	---	
Diclorobromometano (µg/L CHBrCl ₂)		---	1	1	100	< 0,5	---	---	---	1	100	6,3	---	---	---	
Dibromoclorometano (µg/L CHClBr ₂)		---	1	1	100	< 0,5	---	---	---	1	100	2,4	---	---	---	
Tetracloroetano (µg/L Cl ₂ CCl ₂)		10	1	1	100	< 0,1	---	100	---	1	100	< 0,1	---	100	---	
Tricloroetano (µg/L Cl ₂ 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 Semitela						
				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 ₂)	---	6	3	50	0,37	< 0,10	---	---	3	50	< 0,1	< 0,1	---	---
	Bactérias coliformes (N/100 mL)	0	6	3	50	2	0	33,33	Segundo parecer do Delegado de Saúde foi efectuada desinfeccção com cloro.	3	50	0	0	100	---
	<i>Eschechia coli</i> (N/100 mL)	0	6	3	50	0	0	100	---	3	50	0	0	100	---
CR2	Cor (mg/L Pt-Co)	20	2	1	50	<5,0	---	100	---	1	50	< 1,0	---	100	---
	Turvação (UNT)	4	2	1	50	<1,0	---	100	---	1	50	< 0,20	---	100	---
	pH (Unidades de pH)	6,5-9,0	2	1	50	5,0 (20°C)	---	0	O Delegado de Saúde não emitiu parecer, pelo que se considerou não existir risco para a saúde humana.	1	50	5,2 (19°C)	---	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	1	50	28	---	100	---	1	50	30	---	100	---
	Amónio (mg/L NH ₄)	0,5	2	1	50	0,06	---	100	---	1	50	< 0,30	---	100	---
	Oxidabilidade (mg/L O ₂)	5	2	1	50	<0,5	---	100	---	1	50	< 1,0	---	100	---
	Manganês (µg/L Mn)	50	2	1	50	27	---	100	---	1	50	54,4	---	0	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	1	50	1	---	100	---	1	50	0	---	100	---
	Sabor a 25° C (factor de diluição)	3	2	1	50	1	---	100	---	1	50	0	---	100	---
	Nitratos (mg/L NO ₃)	50	2	1	50	5,5	---	100	---	1	50	4,2	---	100	---
	n.º de colónias a 37° C (N/mL)	saa	2	1	50	0	---	100	---	1	50	183	---	100	---
	n.º de colónias a 22° C (N/mL)	saa	2	1	50	0	---	100	---	1	50	>300	---	100	---
CI	Cloretos (mg/L Cl)	250	1	1	100	62,7	---	100	---	1	100	< 3,0	---	100	---
	Ferro Total (mg/L µg/L Fe)	200	1	1	100	<50	---	100	---	1	100	< 100	---	100	---
	Sulfatos (mg/L SO ₄)	250	1	1	100	<2,0	---	100	---	1	100	< 5	---	100	---
	Alumínio (µg/L Al)	200	1	1	100	41	---	100	---	1	100	55	---	100	---
	Sódio (mg/L Na)	200	1	1	100	<5,0	---	100	---	1	100	3,3	---	100	---
	Nitritos (mg/L NO ₂)	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 ₃)	---	1	1	100	8,0	---	---	---	1	100	< 31,5	---	---	---
	Cálcio (mg/L Ca)	---	1	1	100	<5	---	---	---	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 ₆ H ₆)	1	1	1	100	<0,1	---	100	---	1	100	< 0,2	---	100	---
	Bromatos (µg/L BrO ₃)	25	1	1	100	<0,2	---	100	---	1	100	< 1	---	100	---
	1,2-dicloroetano (µg/L ClCH ₂ CH ₂ 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 ₃)	---	1	1	100	4,1	---	---	---	1	100	< 0,5	---	---	---
	Bromofórmio (µg/L CHBr ₃)	---	1	1	100	0,2	---	---	---	1	100	< 0,5	---	---	---
	Diclorobromometano (µg/L CHBrCl ₂)	---	1	1	100	1	---	---	---	1	100	< 0,5	---	---	---
	Dibromoclorometano (µg/L CHClBr ₂)	---	1	1	100	0,4	---	---	---	1	100	< 0,5	---	---	---
Tetracloroetano (µg/L Cl ₂ CCl ₂)	10	1	1	100	<0,1	---	100	---	1	100	< 0,1	---	100	---	
Tricloroetano (µg/L Cl ₂ 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	---	



		0	1	1	100	0	---	100	---	1	100	0	---	100	---	
		Zona de Abastecimento de Castelo							Zona de Abastecimento de Nagosa							
Tipo de Controlo	Parâmetro	Valor Paramétrico (Dec.-Lei n.º)	n.º de análises previstas no	Análises		Resultados			medidas correctivas efectuadas	Análises		Resultados			medidas correctivas efectuadas	
				Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises > VP		Realizadas	% Realizadas	Máximo obtido	Mínimo obtido	% de análises > VP		
	<i>Clostridium perfringens</i> (N/100 mL)	0	1	1	100	0	---	100	---	1	100	0	---	100	---	
CR1	Cloro residual livre (mg/L Cl ₂)	---	6	3	50	1,55	0,46	---	---	3	50	< 0,10	< 0,10	---	---	
	Bactérias coliformes (N/100 mL)	0	6	3	50	0	0	100	---	3	50	1	0	33,33	Segundo parecer do Delegado de Saúde foi efectuada desinfeccção com cloro.	
	<i>Eschechia coli</i> (N/100 mL)	0	6	3	50	0	0	100	---	3	50	0	0	100	---	
CR2	Cor (mg/L Pt-Co)	20	2	1	50	<5,0	---	100	---	1	50	< 1,0	---	100	---	
	Turvação (UNT)	4	2	1	50	<1,0	---	100	---	1	50	< 0,20	---	100	---	
	pH (Unidades de pH)	6,5-9,0	2	1	50	5,5 (20°C)	---	0	O Delegado de Saúde não emitiu parecer, pelo que se considerou não existir risco para a saúde humana.	1	50	6,3 (19°C)	---	0	Segundo parecer do Delegado de Saúde não foram implementadas medidas correctivas por não existir	
	Condutividade (µS/cm a 20°C)	2500	2	1	50	33	---	100	---	1	50	50	---	100	---	
	Amónio (mg/L NH ₄)	0,5	2	1	50	<0,05	---	100	---	1	50	< 0,30	---	100	---	
	Oxidabilidade (mg/L O ₂)	5	2	1	50	<0,5	---	100	---	1	50	< 1,0	---	100	---	
	Manganês (µg/L Mn)	50	2	1	50	<15	---	100	---	1	50	3,1	---	100	---	
	Cheiro a 25° C (factor de diluição)	3	2	1	50	3	---	100	---	1	50	0	---	100	---	
	Sabor a 25° C (factor de diluição)	3	2	1	50	3	---	100	---	1	50	0	---	100	---	
	Nitratos (mg/L NO ₃)	50	2	1	50	<5,0	---	100	---	1	50	< 3,2	---	100	---	
	n.º de colónias a 37° C (N/mL)	saa	2	1	50	0	---	100	---	1	50	36	---	100	---	
	n.º de colónias a 22° C (N/mL)	saa	2	1	50	0	---	100	---	1	50	110	---	100	---	
	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 ₄)	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 ₂)		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	<0,52	---	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 ₃)		---	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 ₆ H ₆)		1	1	1	100	<0,1	---	100	---	1	100	< 0,2	---	100	---	
Bromatos (µg/L BrO ₃)		25	1	1	100	<2,5	---	100	---	1	100	< 1,0	---	100	---	
1,2-dicloroetano (µg/L ClCH ₂ CH ₂ 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)		---	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 ₃)		---	1	1	100	36	---	---	---	1	100	< 1	---	---	---	
Bromofórmio (µg/L CHBr ₃)		---	1	1	100	0,1	---	---	---	1	100	< 0,5	---	---	---	
Diclorobromometano (µg/L CHBrCl ₂)		---	1	1	100	7,2	---	---	---	1	100	<0,5	---	---	---	
Dibromoclorometano (µg/L CHClBr ₂)		---	1	1	100	1,3	---	---	---	1	100	<0,5	---	---	---	
Tetracloroetano (µg/L Cl ₂ CCl ₂)		10	1	1	100	<0,1	---	100	---	1	100	<0,1	---	100	---	
Tricloroetano (µg/L Cl ₂ 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 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 ₂)	---	6	3	50	< 0,10	< 0,10	---	---	3	50	< 0,1	< 0,1	---	---
	Bactérias coliformes (N/100 mL)	0	6	3	50	5	0	33,33	Segundo parecer do Delegado de Saúde foi efectuada desinfeccção com cloro.	3	50	5	0	33,33	Segundo parecer do Delegado de Saúde foi efectuada desinfeccção com cloro.
	<i>Eschechia coli</i> (N/100 mL)	0	6	3	50	---	0	100	---	3	50	0	0	100	---
CR2	Cor (mg/L Pt-Co)	20	2	1	50	<1,0	---	100	---	1	50	<0,5	---	100	---
	Turvação (UNT)	4	2	1	50	<0,20	---	100	---	1	50	<1,0	---	100	---
	pH (Unidades de pH)	6,5-9,0	2	1	50	5,6(18°C)	---	0	O Delegado de Saúde não emitiu parecer, pelo que se considerou não existir risco para a saúde humana.	1	50	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	1	50	22,0	---	100	---	1	50	19	---	100	---
	Amónio (mg/L NH ₄)	0,5	2	1	50	<0,30	---	100	---	1	50	<0,05	---	100	---
	Oxidabilidade (mg/L O ₂)	5	2	1	50	<1,0	---	100	---	1	50	<0,5	---	100	---
	Manganês (µg/L Mn)	50	2	1	50	2,0	---	100	---	1	50	<15	---	100	---
	Cheiro a 25° C (factor de diluição)	3	2	1	50	0,0	---	100	---	1	50	1	---	100	---
	Sabor a 25° C (factor de diluição)	3	2	1	50	0,0	---	100	---	1	50	1	---	100	---
	Nitratos (mg/L NO ₃)	50	2	1	50	<3,2	---	100	---	1	50	<5,0	---	100	---
	n.º de colónias a 37° C (N/mL)	saa	2	1	50	1	---	100	---	1	50	>300	---	100	---
n.º de colónias a 22° C (N/mL)	saa	2	1	50	53	---	100	---	1	50	>300	---	100	---	
CI	Cloretos (mg/L Cl)	250	1	1	100	<3,0	---	100	---	1	100	2,9	---	100	---
	Ferro Total (mg/L µg/L Fe)	200	1	1	100	<100	---	100	---	1	100	<50	---	100	---
	Sulfatos (mg/L SO ₄)	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	<5,0	---	100	---
	Nitritos (mg/L NO ₂)	0,5	1	1	100	<0,04	---	100	---	1	100	0,06	---	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	<0,25	---	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	<0,10	---	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	---
	Mercurio (µg/L Hg)	1	1	1	100	<0,1	---	100	---	1	100	<0,5	---	100	---
	Dureza total (mg/L CaCO ₃)	---	1	1	100	<31,5	---	---	---	1	100	<5	---	---	---
	Cálcio (mg/L Ca)	---	1	1	100	<6,0	---	---	---	1	100	1,6	---	---	---
	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	---	100	---
	Fluoretos (mg/L F)	1,5	1	1	100	<0,10	---	100	---	1	100	0,3	---	100	---
	Benzeno (µg/L C ₆ H ₆)	1	1	1	100	<0,2	---	100	---	1	100	<0,1	---	100	---
	Bromatos (µg/L BrO ₃)	25	1	1	100	<1	---	100	---	1	100	<2,5	---	100	---
	1,2-dicloroetano (µg/L ClCH ₂ CH ₂ 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 ₃)	---	1	1	100	<0,5	---	---	---	1	100	<0,1	---	---	---
	Bromofórmio (µg/L CHBr ₃)	---	1	1	100	<0,5	---	---	---	1	100	<0,1	---	---	---
Diclorobromometano (µg/L CHBrCl ₂)	---	1	1	100	<0,5	---	---	---	1	100	<0,1	---	---	---	
Dibromoclorometano (µg/L CHClBr ₂)	---	1	1	100	<0,5	---	---	---	1	100	<0,1	---	---	---	
Tetracloroetano (µg/L Cl ₂ CCl ₂)	10	1	1	100	<0,1	---	100	---	1	100	<0,1	---	100	---	
Tricloroetano (µg/L Cl ₂ CCHCl)	10	1	1	100	<0,1	---	100	---	1	100	<0,1	---	100	---	



Enterococos (N/100 mL)	0	1	1	100	0	---	100	---	1	100	0	---	100	---
Clostridium perfringens (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 ₂)	---	6	3	50	0,12	<0,10	---	---	3	50	0,12	< 0,1	---	---
	Bactérias coliformes (N/100 mL)	0	6	3	50	15	0	33,33	Segundo parecer do Delegado de Saúde foi efectuada desinfeccção com cloro.	3	50	1	0	100	---
	Eschechia coli (N/100 mL)	0	6	3	50	8	0	66,66	Foi efectuada desinfeccção com cloro.	3	50	0	0	100	---
CR2	Cor (mg/L Pt-Co)	20	2	1	50	<5,0	---	100	---	1	50	< 1,0	---	100	---
	Turvação (UNT)	4	2	1	50	<1,0	---	100	---	1	50	1,9	---	100	---
	pH (Unidades de pH)	6,5-9,0	2	1	50	5,6	---	0	O Delegado de Saúde não emitiu parecer, pelo que se considerou não existir risco para a saúde humana.	1	50	5,4 (16°C)	---	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	1	50	37	---	100	---	1	50	45,0	---	100	---
	Amónio (mg/L NH ₄)	0,5	2	1	50	0,16	---	100	---	1	50	<0,30	---	100	---
	Oxidabilidade (mg/L O ₂)	5	2	1	50	2,1	---	100	---	1	50	1,3	---	100	---
	Manganês (µg/L Mn)	50	2	1	50	<15	---	100	---	1	50	11,4	---	100	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	1	50	1	---	100	---	1	50	0	---	100	---
	Sabor a 25° C (factor de diluição)	3	2	1	50	1	---	100	---	1	50	0	---	100	---
	Nitratos (mg/L NO ₃)	50	2	1	50	<5,0	---	100	---	1	50	< 3,2	---	100	---
	n.º de colónias a 37° C (N/mL)	saa	2	1	50	147	---	100	---	1	50	0	---	100	---
	n.º de colónias a 22° C (N/mL)	saa	2	1	50	>300	---	100	---	1	50	288	---	100	---
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 ₄)	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 ₂)	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 ₃)	---	1	1	100	4,0	---	---	---	1	100	---	---	---	---
	Cálcio (mg/L Ca)	---	1	1	100	<5,0	---	---	---	1	100	---	---	---	---
	Magnésio Total (mg/L Mg)	---	1	1	100	<2,0	---	---	---	1	100	---	---	---	---
	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 ₆ H ₆)	1	1	1	100	<0,1	---	100	---	1	100	< 0,2	---	100	---
	Bromatos (µg/L BrO ₃)	25	1	1	100	<2,5	---	100	---	1	100	3	---	100	---
	1,2-dicloroetano (µg/L ClCH ₂ CH ₂ 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 ₃)	---	1	1	100	<0,1	---	---	---	1	100	7,6	---	---	---
	Bromofórmio (µg/L CHBr ₃)	---	1	1	100	<0,1	---	---	---	1	100	< 0,5	---	---	---
	Diclorobromometano (µg/L CHBrCl ₂)	---	1	1	100	<0,1	---	---	---	1	100	3,8	---	100	---
Dibromoclorometano (µg/L CHClBr ₂)	---	1	1	100	<0,1	---	---	---	1	100	1,1	---	100	---	
Tetracloroetano (µg/L Cl ₂ CCl ₂)	10	1	1	100	<0,1	---	100	---	1	100	<0,1	---	100	---	



Tricloroeteno (µg/L Cl ₂ CCHCl)	10	1	1	100	<0,1	---	100	---	1	100	<0,1	---	100	---
Enterococos (N/100 mL)	0	1	1	100	0	---	100	---	1	100	0	---	100	---
Clostridium perfringens (N/100 mL)	0	1	1	100	0	---	0	---	1	100	0	---	100	---

Zona de Abastecimento Serra da Nave									
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 ₂)	---	12	6	50	0,49	< 0,1	---	---
	Bactérias coliformes (N/100 mL)	0	12	6	50	8	0	16,66	Segundo parecer do Delegado de Saúde foi efectuada desinfeção com cloro.
	<i>Eschechia coli</i> (N/100 mL)	0	12	6	50	0	0	100	---
CR2	Cor (mg/L Pt-Co)	20	4	2	50	< 1,0	< 1,0	100	---
	Turvação (UNT)	4	4	2	50	2,5	<0,20	100	---
	pH (Unidades de pH)	6,5-9,0	4	2	50	6,2 (19°C)	4,6 (16°C)	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	2	50	38	22	100	---
	Amónio (mg/L NH ₄)	0,5	4	2	50	< 0,3	< 0,3	100	---
	Oxidabilidade (mg/L O ₂)	5	4	2	50	< 1,0	< 0,1	100	---
	Manganês (µg/L Mn)	50	4	2	50	21,8	< 0,8	100	---
	Cheiro a 25° C (factor de diluição)	3	4	2	50	0	0	100	---
	Sabor a 25° C (factor de diluição)	3	4	2	50	0	0	100	---
	Nitratos (mg/L NO ₃)	50	4	2	50	3,6	< 3,2	100	---
	n.º de colónias a 37° C (N/mL)	saa	4	2	50	12	0	100	---
	n.º de colónias a 22° C (N/mL)	saa	4	2	50	62	1	100	---
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 ₄)	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 ₂)	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	---
	Merúrio (µg/L Hg)	1	1	1	100	< 0,1	---	100	---
	Dureza total (mg/L CaCO ₃)	---	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 ₆ H ₆)	1	1	1	100	< 0,2	---	100	---
	Bromatos (µg/L BrO ₃)	25	1	1	100	< 1	---	100	---
	1,2-dicloroetano (µg/L ClCH ₂ CH ₂ 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 ₃)	---	1	1	100	< 1	---	---	---
Bromofórmio (µg/L CHBrCl ₂)	---	1	1	100	< 0,5	---	---	---	
Dibromoclorometano (µg/L CHClBr ₂)	---	1	1	100	< 0,5	---	---	---	

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

Moimenta_parque industrial
 Moimenta_farol
 Alto de Fornos
 Fornos



Bromodichlorometano (µg/L CHClBr ₂)	---	1	1	100	< 0,5	---	---	---
Tetrachloroeteno (µg/L Cl ₂ CCl ₂)	10	1	1	100	< 0,1	---	100	---
Trichloroeteno (µg/L Cl ₂ CCHCl)	10	1	1	100	< 0,1	---	100	---
<i>Enterococcus</i> (N/100 mL)	0	1	1	100	0	---	100	---
<i>Clostridium perfringens</i> (N/100 mL)	0	1	1	100	0	---	100	---

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 ₂)	---	24	12	50	0,57	< 0,1	---	---	
	Bactérias coliformes (N/100 mL)	0	24	12	50	0	0	100	---	
	<i>Eschechia coli</i> (N/100 mL)	0	24	12	50	0	0	100	---	
CR2	Cor (mg/L Pt-Co)	20	12	6	50	< 1,0	< 0,5	100	---	
	Turvação (UNT)	4	12	6	50	0,47	< 0,2	100	---	
	pH (Unidades de pH)	6,5-9,0	12	6	50	7,9 (20°C)	7,1 (19°C)	100	---	
	Condutividade (µS/cm a 20°C)	2500	12	6	50	214,0	112,0	100	---	
	Amónio (mg/L NH ₄)	0,5	12	6	50	0,31	< 0,05	100	---	
	Oxidabilidade (mg/L O ₂)	5	12	6	50	1	< 0,1	100	---	
	Alumínio (µg/L Al)	200	12	6	50	191	14	100	---	
	Manganês (µg/L Mn)	50	12	6	50	27,2	1,0	100	---	
	Cheiro a 25° C (factor de diluição)	3	12	6	50	1	0	100	---	
	Sabor a 25° C (factor de diluição)	3	12	6	50	10	0	100	---	
	n.º de colónias a 37° C (N/mL)	saa	12	6	50	>300	0	100	---	
	n.º de colónias a 22° C (N/mL)	saa	12	6	50	>300	0	100	---	
	<i>Clostridium perfringens</i> (N/100 mL)	0	12	6	50	0	0	100	---	
	CI	Ferro Total (mg/L µg/L Fe)	200	2	1	50	< 100	---	100	---
		Carbono Orgânico Total (mg/L C)	saa	2	1	50	1,1	---	100	---
Nitritos (mg/L NO ₂)		0,5	2	1	50	< 0,04	---	100	---	
Chumbo Total (µg/L Pb)		25	2	1	50	< 4,0	---	100	---	
Cobre Total (mg/L Cu)		2	2	1	50	< 0,2	---	100	---	
Dureza total (mg/L CaCO ₃)		---	2	1	50	89,8	---	---	---	
Cálcio (mg/L Ca)		---	2	1	50	36	---	---	---	
Magnésio Total (mg/L Mg)		---	2	1	50	< 4,0	---	---	---	
Níquel (µg/L Ni)		20	2	1	50	9,1	---	100	---	
Benzo[b]fluoranteno (µg/L BBFLT)		---	2	1	50	< 0,01	---	100	---	
Benzo[k]fluoranteno (µg/L BKFLT)		---	2	1	50	< 0,01	---	100	---	
Benzo[a]pireno (µg/L BAPY)		0,01	2	1	50	< 0,01	---	100	---	
Benzo[g,h,i]perileno (µg/L BGHUPER)		---	2	1	50	< 0,01	---	---	---	
Indeno[1,2,3-cd]pireno (µg/L IP)		---	2	1	50	< 0,01	---	---	---	
Clorofórmio (µg/L CHCl ₃)		---	2	1	50	11	---	---	---	
Bromofórmio (µg/L CHBrCl ₂)		---	2	1	50	< 0,5	---	---	---	
Dibromoclorometano (µg/L CHClBr ₂)		---	2	1	50	3,9	---	---	---	
Bromodichlorometano (µg/L CHClBr ₂)		---	2	1	50	10	---	---	---	
<i>Enterococcus</i> (N/100 mL)		0	2	1	50	0	---	100	---	

A Zona de Abastecimento ATMAD diz respeito às localidades:

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