

Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei n.º 152/2007, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR).

3º TRIMESTRE 2021
01 Julho a
30 Setembro

Parâmetros (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007	Valores obtidos		N.º de Análises superiores ao VP	% Cumprimento do VP	N.º Análises PCQA		% de Análises realizadas
		Valor mínimo	Valor máximo			Agendadas	Realizadas	
Pesquisa e quantificação de Escherichia coli - UFC/100 mL	0	0	0	0	100	1	1	100
Pesquisa e quantificação de Coliformes totais - UFC/100 mL	0	0	0	0	100	1	1	100
CLORO RESIDUAL LIVRE (in loco) - mg/L Cl2	—	0,6	0,6	0	100	1	1	100
CHEIRO, a 25°C - Factor de Diluição	3	<1	<1	0	100	1	1	100
SABOR, a 25°C - Factor de Diluição	3	<1	<1	0	100	1	1	100
pH - Unidades de pH	6,5-9,5	7,1 (22 °C)	7,1 (22 °C)	0	100	1	1	100
CONDUTIVIDADE (a 20°C) - µS/cm	2500	39	39	0	100	1	1	100
COR - mg/L escala Pt/Co	20	<5(l.q.)	<5(l.q.)	0	100	1	1	100
TURVAÇÃO - UNT	1	0,58	0,58	0	100	1	1	100
Pesquisa e quantificação de Enterococos - UFC/100mL	0	0	0	0	100	1	1	100
Enumeração de microrganismos viáveis-número de colónias a (22±2) °C - UFC/mL	Sem Alteração Anormal	Não detectado	Não detectado	0	100	1	1	100
Enumeração de microrganismos viáveis-número de colónias a (36±2) °C - UFC/mL	Sem Alteração Anormal	Não detectado	Não detectado	0	100	1	1	100
ALUMÍNIO - µg/L Al								
AMÓNIO - mg/L NH4								
Pesquisa e quantificação de Clostridium perfringens - UFC/100 mL	0	0	0	0	100	1	1	100
FERRO - µg/L Fe								
MANGANÉS - µg/L Mn								
NITRATOS - mg/L NO3								
NITRITOS - mg/L NO2								
OXIDABILIDADE - mg/L O2	5	<0,9(l.q.)	<0,9(l.q.)	0	100	1	1	100
ANTIMÓNIO - µg/L Sb								
ARSÉNIO - µg/L As								
BENZENO - µg/L C6H6								
BENZO(a)PIRENO - µg/L								
BORO - mg/L B								
BROMATOS - µg/L BrO3								
CÁDMIO - µg/L Cd								
CÁLCIO - mg/L Ca								
CHUMBO - µg/L Pb								
CIANETOS - µg/L CN								
COBRE - mg/L Cu								
CRÓMIO - µg/L Cr								
1,2-DICLOROETANO - µg/L C12H2Cl2								
DUREZA TOTAL - mg/L CaCO3								
FLUORETOS - mg/L F								
MAGNÉSIO - mg/L Mg								
MERCÚRIO - µg/L Hg								
NÍQUEL - µg/L Ni								
SELÉNIO - µg/L Se								
CLORETOS - mg/L Cl								
SÓDIO - mg/L Na								
SULFATOS - mg/L SO4								
SOMA TETRA E TRICLOROETENO - µg/L								
TETRACLOROETENO - µg/L								
TRICLOROETENO - µg/L								
SOMA PAHs - µg/L								
BENZO(b)FLUORANTENO - µg/L								
BENZO(k)FLUORANTENO - µg/L								
BENZO(ghi)PERILENO - µg/L								
INDENO(1,2,3-cd)PIRENO - µg/L								
SOMA TRIHALOMETANOS - µg/L								
CLOROFÓRMIO - µg/L								
BROMOFÓRMIO - µg/L								
BROMODICLOROMETANO - µg/L								
DIBROMOCLOROMETANO - µg/L								
DOSE INDICATIVA TOTAL - mSv/ano								
α-TOTAL - Bq/L								
CLORPIRIFOS - µg/L								
DESETILTERBUTILAZINA - µg/L								
DIMETOATO - µg/L								
DIURÃO - µg/L								
TERBUTILAZINA - µg/L								
OMETOATO - µg/L								
IMIDACLORPIDE - µg/L								
PESTICIDAS TOTAIS - µg/L								
RADÃO - Bq/L								
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¹ - Parâmetros conservativos analisado pela entidade gestora em alta ICOVI - Infra-estruturas e Concessões da Covilhã, E.M.

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): Não se verificaram situações de incumprimento

Responsável: Nuno Filipe Abreu Pedro

Data da publicação no website: 06/12/2021

Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei n.º 152/2007, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR).

Parâmetro (unidades)	Valor Paramétrico (VP)		Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
	VP	Unidade	Mínimo	Máximo			Previstas	Realizadas	
<i>Escherichia coli (E. Coli)</i>	0	N/100 ml	0	0	0	100%	2	2	100%
Bactérias coliformes	0	N/100 ml	0	0	0	100%	2	2	100%
Desinfetante residual	---	mg/l	0,9	1,3	---	---	2	2	100%
Cheiro a 25 ºC	3	Fator de diluição	<1	<1	0	100%	1	1	100%
Sabor a 25 ºC	3	Fator de diluição	<1	<1	0	100%	1	1	100%
pH	≥6,5 e ≤9,5	Unidades pH	6,7	6,7	0	100%	1	1	100%
Condutividade	2500	µS/cm a 20 ºC	45	45	0	100%	1	1	100%
Cor	20	mg/l PtCo	<5	<5	0	100%	1	1	100%
Turvação	4	UNT	0,5	0,5	0	100%	1	1	100%
Enterococos	0	N/100 ml	0	0	0	100%	1	1	100%
Número de colónias a 22 ºC	---	N/ml	N.D.	N.D.	---	---	1	1	100%
Número de colónias a 36 ºC	---	N/ml	N.D.	N.D.	---	---	1	1	100%
<i>Clostridium perfringens</i>	0	N/100 ml	0	0	0	100%	1	1	100%
Alumínio	200	µg/L Al	---	---	---	---	0	0	---
Amónio	0,50	mg/l NH ₄	---	---	---	---	0	0	---
Antimónio	5,0	µg/l Sb	---	---	---	---	0	0	---
Arsénio	10	µg/l As	---	---	---	---	0	0	---
Benzeno	1,0	µg/l	---	---	---	---	0	0	---
Benzo(a)pireno	0,010	µg/l	---	---	---	---	0	0	---
Boro	1,0	mg/l B	---	---	---	---	0	0	---
Bromatos	10	µg/l BrO ₃	---	---	---	---	0	0	---
Cádmio	5,0	µg/l Cd	---	---	---	---	0	0	---
Cálcio	---	mg/l Ca	---	---	---	---	0	0	---
Carbono Orgânico Total (COT)	---	mg/l C	---	---	---	---	0	0	---
Cianetos	50	µg/l CN	---	---	---	---	0	0	---
Cloretos	250	mg/l Cl	---	---	---	---	0	0	---
Cloritos	0,7	mg/l ClO ₂	---	---	---	---	0	0	---
Cloratos	0,7	mg/l ClO ₃	---	---	---	---	0	0	---
Chumbo	10	µg/l Pb	---	---	---	---	0	0	---
Cobre	2,0	mg/l Cu	---	---	---	---	0	0	---
Crómio	50	µg/l Cr	---	---	---	---	0	0	---
1,2 - dicloroetano	3,0	µg/l	---	---	---	---	0	0	---
Dureza total	---	mg/l CaCO ₃	---	---	---	---	0	0	---
Ferro	200	µg/l Fe	---	---	---	---	0	0	---
Fluoretos	1,5	mg/l F	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (HAP):	0,10	µg/l	---	---	---	---	0	0	---
Benzo(b)fluoranteno	---	µg/l	---	---	---	---	0	0	---
Benzo(k)fluoranteno	---	µg/l	---	---	---	---	0	0	---
Benzo(ghi)perileno	---	µg/l	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno	---	µg/l	---	---	---	---	0	0	---
Magnésio	---	mg/l Mg	---	---	---	---	0	0	---
Manganés	50	µg/l Mn	---	---	---	---	0	0	---
Nitratos ¹	50	mg/l NO ₃	---	---	---	---	0	0	---
Nitritos	0,50	mg/l NO ₂	---	---	---	---	0	0	---
Mercúrio	1,0	µg/l Hg	---	---	---	---	0	0	---
Níquel	20	µg/l Ni	---	---	---	---	0	0	---
Oxidabilidade	5,0	mg/l O ₂	<0,9	<0,9	0	100%	1	1	100%
Pesticidas - total	0,50	µg/l	<0,10	<0,10	0	100%	1	1	200%
Clorpirifos	0,10	µg/l	0,03	0,03	0	100%	1	1	300%
Desetilterbutilazina	0,10	µg/l	0,03	0,03	0	100%	1	1	400%
Diurão	0,10	µg/l	0,03	0,03	0	100%	1	1	500%
Imidaclopride	0,10	µg/l	0,03	0,03	0	100%	1	1	600%
Ometoato	0,10	µg/l	0,03	0,03	0	100%	1	1	700%
Terbutilazina	0,10	µg/l	0,03	0,03	0	100%	1	1	800%
Dimetoato	0,10	µg/l	0,03	0,03	0	100%	1	1	900%
Selénio	10	µg/l Se	---	---	---	---	0	0	---
Sódio	200	mg/l Na	---	---	---	---	0	0	---
Sulfatos	250	mg/l SO ₄	---	---	---	---	0	0	---
Tetracloroetano e Tricloroetano:	10	µg/l	---	---	---	---	0	0	---
Tetracloroetano	---	µg/l	---	---	---	---	0	0	---
Tricloroetano	---	µg/l	---	---	---	---	0	0	---
Trihalometanos - total (THM):	80	µg/l	---	---	---	---	0	0	---
Clorofórmio	---	µg/l	---	---	---	---	0	0	---
Bromofórmio	---	µg/l	---	---	---	---	0	0	---
Bromodiclorometano	---	µg/l	---	---	---	---	0	0	---
Dibromoclorometano	---	µg/l	---	---	---	---	0	0	---
Dose indicativa	0,10	mSv	---	---	---	---	0	0	---
Radão	500	Bq/l	---	---	---	---	0	0	---
Alfa-total	0,10	Bq/l	---	---	---	---	0	0	---
Beta-Total	1,0	Bq/l	---	---	---	---	0	0	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): Não se verificaram incumprimentos nos parâmetros analisados

Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei n.º 152/2007, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR).

Parâmetro (unidades)	Valor Paramétrico (VP)		Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
	VP	Unidade	Mínimo	Máximo			Previstas	Realizadas	
<i>Escherichia coli</i> (<i>E. Coli</i>)	0	N/100 ml	0	0	0	100%	1	1	100%
Bactérias coliformes	0	N/100 ml	0	0	0	100%	1	1	100%
Desinfetante residual	—	mg/l	0,9	0,9	—	—	1	1	100%
Cheiro a 25 °C	3	Fator de diluição	<1	<1	0	100%	1	1	100%
Sabor a 25 °C	3	Fator de diluição	<1	<1	0	100%	1	1	100%
pH	≥6,5 e ≤9,5	Unidades pH	7,2	7,2	0	100%	1	1	100%
Condutividade	2500	µS/cm a 20 °C	44	44	0	100%	1	1	100%
Cor	20	mg/l PtCo	9	9	0	100%	1	1	100%
Turvação	4	UNT	0,98	0,98	0	100%	1	1	100%
Enterococos	0	N/100 ml	0	0	0	100%	1	1	100%
Número de colónias a 22 °C	—	N/ml	N.D.	N.D.	—	—	1	1	100%
Número de colónias a 36 °C	—	N/ml	N.D.	N.D.	—	—	1	1	100%
<i>Clostridium perfringens</i>	0	N/100 ml	0	0	0	100%	1	1	100%
Alumínio	200	µg/L Al	—	—	—	—	0	0	—
Amónio	0,50	mg/l NH ₄	—	—	—	—	0	0	—
Antimónio	5,0	µg/l Sb	—	—	—	—	0	0	—
Arsénio	10	µg/l As	—	—	—	—	0	0	—
Benzeno	1,0	µg/l	—	—	—	—	0	0	—
Benzo(a)pireno	0,010	µg/l	—	—	—	—	0	0	—
Boro	1,0	mg/l B	—	—	—	—	0	0	—
Bromatos	10	µg/l BrO ₃	—	—	—	—	0	0	—
Cádmio	5,0	µg/l Cd	—	—	—	—	0	0	—
Cálcio	—	mg/l Ca	—	—	—	—	0	0	—
Carbono Orgânico Total (COT)	—	mg/l C	—	—	—	—	0	0	—
Cianetos	50	µg/l CN	—	—	—	—	0	0	—
Cloretos	250	mg/l Cl	—	—	—	—	0	0	—
Cloritos	0,7	mg/l ClO ₂	—	—	—	—	0	0	—
Cloratos	0,7	mg/l ClO ₃	—	—	—	—	0	0	—
Chumbo	10	µg/l Pb	—	—	—	—	0	0	—
Cobre	2,0	mg/l Cu	—	—	—	—	0	0	—
Crómio	50	µg/l Cr	—	—	—	—	0	0	—
1,2 - dicloroetano	3,0	µg/l	—	—	—	—	0	0	—
Dureza total	—	mg/l CaCO ₃	—	—	—	—	0	0	—
Ferro	200	µg/l Fe	—	—	—	—	0	0	—
Fluoretos	1,5	mg/l F	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (HAP):	0,10	µg/l	—	—	—	—	0	0	—
Benzo(b)fluoranteno	—	µg/l	—	—	—	—	0	0	—
Benzo(k)fluoranteno	—	µg/l	—	—	—	—	0	0	—
Benzo(ghi)perileno	—	µg/l	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno	—	µg/l	—	—	—	—	0	0	—
Magnésio	—	mg/l Mg	—	—	—	—	0	0	—
Manganês	50	µg/l Mn	—	—	—	—	0	0	—
Nitratos ¹	50	mg/l NO ₃	—	—	—	—	0	0	—
Nitritos	0,50	mg/l NO ₂	—	—	—	—	0	0	—
Merúrio	1,0	µg/l Hg	—	—	—	—	0	0	—
Níquel	20	µg/l Ni	—	—	—	—	0	0	—
Oxidabilidade	5,0	mg/l O ₂	<0,9	<0,9	0	100%	1	1	100%
Pesticidas - total	0,50	µg/l	—	—	—	—	0	0	—
Clorpirifos	0,10	µg/l	—	—	—	—	0	0	—
Desetilterbutilazina	0,10	µg/l	—	—	—	—	0	0	—
Diurão	0,10	µg/l	—	—	—	—	0	0	—
Imidaclopride	0,10	µg/l	—	—	—	—	0	0	—
Ometoato	0,10	µg/l	—	—	—	—	0	0	—
Terbutilazina	0,10	µg/l	—	—	—	—	0	0	—
Dimetoato	0,10	µg/l	—	—	—	—	0	0	—
Selénio	10	µg/l Se	—	—	—	—	0	0	—
Sódio	200	mg/l Na	—	—	—	—	0	0	—
Sulfatos	250	mg/l SO ₄	—	—	—	—	0	0	—
Tetracloroetano e Tricloroetano:	10	µg/l	—	—	—	—	0	0	—
Tetracloroetano	—	µg/l	—	—	—	—	0	0	—
Tricloroetano	—	µg/l	—	—	—	—	0	0	—
Trihalometanos - total (THM):	80	µg/l	—	—	—	—	0	0	—
Clorofórmio	—	µg/l	—	—	—	—	0	0	—
Bromofórmio	—	µg/l	—	—	—	—	0	0	—
Bromodichlorometano	—	µg/l	—	—	—	—	0	0	—
Dibromochlorometano	—	µg/l	—	—	—	—	0	0	—
Dose indicativa	0,10	mSv	—	—	—	—	0	0	—
Radão	500	Bq/l	—	—	—	—	0	0	—
Alfa-total	0,10	Bq/l	—	—	—	—	0	0	—
β-Total	1,0	Bq/l	—	—	—	—	0	0	—

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): Não se verificaram incumprimentos nos parâmetros analisados

Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, alterado pelo Decreto-Lei n.º 152/2007, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR).

Parâmetro (unidades)	Valor Paramétrico (VP)		Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
	VP	Unidade	Mínimo	Máximo			Previstas	Realizadas	
<i>Escherichia coli (E. Coli)</i>	0	N/100 ml	0	0	0	100%	1	1	100%
Bactérias coliformes	0	N/100 ml	0	0	0	100%	1	1	100%
Desinfetante residual	---	mg/l	0,76	0,76	---	---	1	1	100%
Cheiro a 25 °C	3	Fator de diluição	<1	<1	0	100%	1	1	100%
Sabor a 25 °C	3	Fator de diluição	<1	<1	0	100%	1	1	100%
pH	≥6,5 e ≤9,5	Unidades pH	7,4	7,4	0	100%	1	1	100%
Condutividade	2500	µS/cm a 20 °C	42,5	42,5	0	100%	1	1	100%
Cor	20	mg/l PtCo	<5	<5	0	100%	1	1	100%
Turvação	4	UNT	<0,3	<0,3	0	100%	1	1	100%
Enterococos	0	N/100 ml	0	0	0	100%	1	1	100%
Número de colónias a 22 °C	---	N/ml	N.D.	N.D.	---	---	1	1	100%
Número de colónias a 36 °C	---	N/ml	N.D.	N.D.	---	---	1	1	100%
<i>Clostridium perfringens</i>	0	N/100 ml	---	---	---	---	0	0	---
Alumínio	200	µg/L Al	---	---	---	---	0	0	---
Amónio	0,50	mg/l NH ₄	---	---	---	---	0	0	---
Antimónio	5,0	µg/l Sb	---	---	---	---	0	0	---
Arsénio	10	µg/l As	---	---	---	---	0	0	---
Benzeno	1,0	µg/l	---	---	---	---	0	0	---
Benzo(a)pireno	0,010	µg/l	---	---	---	---	0	0	---
Boro	1,0	mg/l B	---	---	---	---	0	0	---
Bromatos	10	µg/l BrO ₃	---	---	---	---	0	0	---
Cádmio	5,0	µg/l Cd	---	---	---	---	0	0	---
Cálcio	---	mg/l Ca	---	---	---	---	0	0	---
Carbono Orgânico Total (COT)	---	mg/l C	---	---	---	---	0	0	---
Cianetos	50	µg/l CN	---	---	---	---	0	0	---
Cloretos	250	mg/l Cl	---	---	---	---	0	0	---
Cloritos	0,7	mg/l ClO ₂	---	---	---	---	0	0	---
Cloratos	0,7	mg/l ClO ₃	---	---	---	---	0	0	---
Chumbo	10	µg/l Pb	---	---	---	---	0	0	---
Cobre	2,0	mg/l Cu	---	---	---	---	0	0	---
Crómio	50	µg/l Cr	---	---	---	---	0	0	---
1,2 - dicloroetano	3,0	µg/l	---	---	---	---	0	0	---
Dureza total	---	mg/l CaCO ₃	---	---	---	---	0	0	---
Ferro	200	µg/l Fe	---	---	---	---	0	0	---
Fluoretos	1,5	mg/l F	---	---	---	---	0	0	---
Hydrocarbonetos Aromáticos Policíclicos (HAP):	0,10	µg/l	---	---	---	---	0	0	---
Benzo(b)fluoranteno	---	µg/l	---	---	---	---	0	0	---
Benzo(k)fluoranteno	---	µg/l	---	---	---	---	0	0	---
Benzo(ghi)perileno	---	µg/l	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno	---	µg/l	---	---	---	---	0	0	---
Magnésio	---	mg/l Mg	---	---	---	---	0	0	---
Manganês	50	µg/l Mn	---	---	---	---	0	0	---
Nitratos ¹	50	mg/l NO ₃	---	---	---	---	0	0	---
Nitritos	0,50	mg/l NO ₂	---	---	---	---	0	0	---
Mercúrio	1,0	µg/l Hg	---	---	---	---	0	0	---
Níquel	20	µg/l Ni	---	---	---	---	0	0	---
Oxidabilidade	5,0	mg/l O ₂	---	---	---	---	0	0	---
Pesticidas - total	0,50	µg/l	---	---	---	---	0	0	---
Clorpirifos	0,10	µg/l	---	---	---	---	0	0	---
Desetilterbutilazina	0,10	µg/l	---	---	---	---	0	0	---
Diurão	0,10	µg/l	---	---	---	---	0	0	---
Imidaclopride	0,10	µg/l	---	---	---	---	0	0	---
Ometoato	0,10	µg/l	---	---	---	---	0	0	---
Terbutilazina	0,10	µg/l	---	---	---	---	0	0	---
Dimetoato	0,10	µg/l	---	---	---	---	0	0	---
Selénio	10	µg/l Se	---	---	---	---	0	0	---
Sódio	200	mg/l Na	---	---	---	---	0	0	---
Sulfatos	250	mg/l SO ₄	---	---	---	---	0	0	---
Tetracloroetano e Tricloroetano:	10	µg/l	---	---	---	---	0	0	---
Tetracloroetano	---	µg/l	---	---	---	---	0	0	---
Tricloroetano	---	µg/l	---	---	---	---	0	0	---
Trihalometanos - total (THM):	80	µg/l	---	---	---	---	0	0	---
Clorofórmio	---	µg/l	---	---	---	---	0	0	---
Bromofórmio	---	µg/l	---	---	---	---	0	0	---
Bromodichlorometano	---	µg/l	---	---	---	---	0	0	---
Dibromoclorometano	---	µg/l	---	---	---	---	0	0	---
Dose indicativa	0,10	mSv	---	---	---	---	0	0	---
Radão	500	Bq/l	---	---	---	---	0	0	---
Alfa-total	0,10	Bq/l	---	---	---	---	0	0	---
B-Total	1,0	Bq/l	---	---	---	---	0	0	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): Não se verificaram incumprimentos nos parâmetros analisados