



**DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE
MIRANDA DO DOURO**

1º TRIMESTRE 2024

Em conformidade com o Decreto-Lei n.º 69/2023, de 21 de agosto, 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	
Escherichia coli (E. Coli)	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	<0,1	<0,16	---	---	2	2	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	7,8	7,8	0	100%	1	1	100%
Condutividade	2500	µS/cm a 20 °C	360	360	0	100%	1	1	100%
Cor	20	mg/l PtCo	13	13	0	100%	1	1	100%
Turvação	4	UNT	6,1	6,1	1	0%	1	1	100%
Enterococos	0	N/100 ml	0	0	0	100%	1	1	100%
Número de colónias a 22 °C	---	N/ml	14	14	---	---	1	1	100%
Clostridium perfringens	0	N/100 ml	0	0	0	100%	1	1	100%
Alumínio	200	µg/L Al	770	770	1	0%	1	1	100%
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	---
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	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	---
AMPA	0,10	µg/l	---	---	---	---	0	0	---
Bentazona	0,10	µg/l	---	---	---	---	0	0	---
Desetilterbutilazina	0,10	µg/l	---	---	---	---	0	0	---
Dimetenamida-P	0,10	µg/l	---	---	---	---	0	0	---
Dimetoato	0,10	µg/l	---	---	---	---	0	0	---
Glifosato	0,10	µg/l	---	---	---	---	0	0	---
Imidaclopride	0,10	µg/l	---	---	---	---	0	0	---
M656PH051	0,10	µg/l	---	---	---	---	0	0	---
MCPA	0,10	µg/l	---	---	---	---	0	0	---
Metribuzina	0,10	µg/l	---	---	---	---	0	0	---
Ometoato	0,10	µg/l	---	---	---	---	0	0	---
Terbutilazina	0,10	µg/l	---	---	---	---	0	0	---
Potássio	---	mg/L K	---	---	---	---	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):	100	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	---
Alfa total	0,10	Bq/l	---	---	---	---	0	0	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP: Os incumprimentos de alumínio e turvação deveram-se aos valores superiores ao Vp logo na origem da água bruta, acrescido de uma dosagem superior de reagente, necessária para reduzir a quantidade de sólidos existente na água bruta, devido à elevada pluviosidade ocorrida. Como medidas corretivas, foram efetuadas as correções na dosagem de reagente e efetuadas limpezas, tanto na rede de distribuição como nos reservatórios. A população afetada foi alertada para algumas restrições ao consumo de água, evitando beber água direta da torneira. Este incumprimentos foram devidamente comunicados à AS (Autoridade de Saúde) e à ERSAR (Entidade Reguladora dos Serviços de Águas e Resíduos), tendo sido emitidos os respetivos pareceres.

O presidente: Drª. Helena M. da Silva Ventura Barril



Data da publicação: 2024/05/27

Em conformidade com o Decreto-Lei n.º 69/2023, de 21 de agosto, 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%	3	3	100%
Bactérias coliformes	0	N/100 ml	0	0	0	100%	3	3	100%
Desinfetante residual	---	mg/l	0,70	1,10	---	---	3	3	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	7,7	7,7	0	100%	1	1	100%
Condutividade	2500	µS/cm a 20 °C	357	357	0	100%	1	1	100%
Cor	20	mg/l PtCo	<3	<3	0	100%	1	1	100%
Turvação	4	UNT	<1	<1	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	0	0	---	---	1	1	100%
<i>Clostridium perfringens</i>	0	N/100 ml	0	0	0	100%	1	1	100%
Alumínio	200	µg/L Al	45	45	0	100%	1	1	100%
Amónio	0,50	mg/l NH ₄	<0,05	<0,05	0	100%	1	1	100%
Antimónio	5,0	µg/l Sb	<1	<1	0	100%	1	1	100%
Arsénio	10	µg/l As	<3	<3	0	100%	1	1	100%
Benzeno	1,0	µg/l	<0,2	<0,2	0	100%	1	1	100%
Benzo(a)pireno	0,010	µg/l	<0,003	<0,003	0	100%	1	1	100%
Boro	1,0	mg/l B	<0,01	<0,01	0	100%	1	1	100%
Bromatos	10	µg/l BrO ₃	<5	<5	0	100%	1	1	100%
Cádmio	5,0	µg/l Cd	<0,08	<0,08	0	100%	1	1	100%
Cálcio	---	mg/l Ca	56,8	56,8	---	---	1	1	100%
Cianetos	50	µg/l CN	<10	<10	0	100%	1	1	100%
Cloretos	250	mg/l Cl	<10	<10	0	100%	1	1	100%
Cloritos	0,7	mg/l ClO ₂	---	---	---	---	0	0	---
Cloratos	0,7	mg/l ClO ₃	---	---	---	---	0	0	---
Chumbo	10	µg/l Pb	<1	<1	0	100%	1	1	100%
Cobre	2,0	mg/l Cu	0,007	0,007	0	100%	1	1	100%
Crómio	50	µg/l Cr	<3	<3	0	100%	1	1	100%
1,2 – dicloroetano	3,0	µg/l	<0,75	<0,75	0	100%	1	1	100%
Dureza total	---	mg/l CaCO ₃	159	159	---	---	1	1	100%
Ferro	200	µg/l Fe	<20	<20	0	100%	1	1	100%
Fluoretos	1,5	mg/l F	<0,2	<0,2	0	100%	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos (HAP):	0,10	µg/l	<0,02	<0,02	0	100%	1	1	100%
Benzo(b)fluoranteno	---	µg/l	<0,02	<0,02	---	---	1	1	100%
Benzo(k)fluoranteno	---	µg/l	<0,02	<0,02	---	---	1	1	100%
Benzo(ghi)perileno	---	µg/l	<0,02	<0,02	---	---	1	1	100%
Indeno(1,2,3-cd)pireno	---	µg/l	<0,02	<0,02	---	---	1	1	100%
Magnésio	---	mg/l Mg	9,1	9,1	---	---	1	1	100%
Manganês	50	µg/l Mn	<4	<4	0	100%	1	1	100%
Nitratos	50	mg/l NO ₃	<9,7	<9,7	0	100%	1	1	100%
Nitritos	0,50	mg/l NO ₂	<0,04	<0,04	0	100%	1	1	100%
Mercúrio	1,0	µg/l Hg	<0,01	<0,01	0	100%	1	1	100%
Níquel	20	µg/l Ni	<2	<2	0	100%	1	1	100%
Oxidabilidade	5,0	mg/l O ₂	2	2	0	100%	1	1	100%
Pesticidas - total	0,50	µg/l	---	---	---	---	0	0	---
AMPA	0,10	µg/l	---	---	---	---	0	0	---
Bentazona	0,10	µg/l	---	---	---	---	0	0	---
Desetilterbutilazina	0,10	µg/l	---	---	---	---	0	0	---
Dimetenamida-P	0,10	µg/l	---	---	---	---	0	0	---
Dimetoato	0,10	µg/l	---	---	---	---	0	0	---
Glifosato	0,10	µg/l	---	---	---	---	0	0	---
Imidaclopride	0,10	µg/l	---	---	---	---	0	0	---
M656PH051	0,10	µg/l	---	---	---	---	0	0	---
MCPA	0,10	µg/l	---	---	---	---	0	0	---
Metribuzina	0,10	µg/l	---	---	---	---	0	0	---
Ometoato	0,10	µg/l	---	---	---	---	0	0	---
Terbutilazina	0,10	µg/l	---	---	---	---	0	0	---
Potássio	---	mg/l K	3,1	3,1	0	100%	0	0	100%
Selénio	10	µg/l Se	<2	<2	0	100%	1	1	100%
Sódio	200	mg/l Na	12,9	12,9	0	100%	1	1	100%
Sulfatos	250	mg/l SO ₄	66,5	66,5	0	100%	1	1	100%
Tetracloroetano e Tricloroetano:	10	µg/l	<0,3	<0,3	0	100%	1	1	100%
Tetracloroetano	---	µg/l	<0,2	<0,2	---	---	1	1	100%
Tricloroetano	---	µg/l	<0,1	<0,1	---	---	1	1	100%
Trihalometanos - total (THM):	100	µg/l	37,04	37,04	0	100%	1	1	100%
Clorofórmio	---	µg/l	25,9	25,9	---	---	1	1	100%
Bromofórmio	---	µg/l	<0,2	<0,2	---	---	1	1	100%
Bromodiclorometano	---	µg/l	9,2	9,2	---	---	1	1	100%
Dibromoclorometano	---	µg/l	1,94	1,94	---	---	1	1	100%
Dose indicativa	0,10	mSv	<0,1	<0,1	0	100%	1	1	100%
Alfa total	0,1	Bq/l	<0,04	<0,04	0	100%	1	1	100%

Informação complementar relativa à averiguação das situações de incumprimento dos VP: Não aplicável por não terem existido incumprimentos neste trimestre.

Em conformidade com o Decreto-Lei n.º 69/2023, de 21 de agosto, 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	
Escherichia coli (E. Coli)	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	<0,10	<0,16	---	---	2	2	100%
Cheiro a 25 °C	3	Fator de diluição	---	---	---	---	0	0	---
Sabor a 25 °C	3	Fator de diluição	---	---	---	---	0	0	---
pH	≥6,5 e ≤9,5	Unidades pH	---	---	---	---	0	0	---
Condutividade	2500	µS/cm a 20 °C	---	---	---	---	0	0	---
Cor	20	mg/l PtCo	---	---	---	---	0	0	---
Turvação	4	UNT	---	---	---	---	0	0	---
Enterococos	0	N/100 ml	---	---	---	---	0	0	---
Número de colónias a 22 °C	---	N/ml	---	---	---	---	0	0	---
Clostridium perfringens	0	N/100 ml	---	---	---	---	0	0	---
Alumínio	200	µg/L Al	---	---	---	---	0	0	---
Amónio	0,50	mg/l NH4	---	---	---	---	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 BrO3	---	---	---	---	0	0	---
Cádmio	5,0	µg/l Cd	---	---	---	---	0	0	---
Cálcio	---	mg/l Ca	---	---	---	---	0	0	---
Cianetos	50	µg/l CN	---	---	---	---	0	0	---
Cloretos	250	mg/l Cl	---	---	---	---	0	0	---
Cloritos	0,7	mg/l ClO2	---	---	---	---	0	0	---
Cloratos	0,7	mg/l ClO3	---	---	---	---	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 CaCO3	---	---	---	---	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	50	mg/l NO3	---	---	---	---	0	0	---
Nitritos	0,50	mg/l NO2	---	---	---	---	0	0	---
Mercúrio	1,0	µg/l Hg	---	---	---	---	0	0	---
Níquel	20	µg/l Ni	---	---	---	---	0	0	---
Oxidabilidade	5,0	mg/l O2	---	---	---	---	0	0	---
Pesticidas - total	0,50	µg/l	---	---	---	---	0	0	---
AMPA	0,10	µg/l	---	---	---	---	0	0	---
Bentazona	0,10	µg/l	---	---	---	---	0	0	---
Desetilterbutilazina	0,10	µg/l	---	---	---	---	0	0	---
Dimetenamida-P	0,10	µg/l	---	---	---	---	0	0	---
Dimetoato	0,10	µg/l	---	---	---	---	0	0	---
Glifosato	0,10	µg/l	---	---	---	---	0	0	---
Imidaclopride	0,10	µg/l	---	---	---	---	0	0	---
M656PH051	0,10	µg/l	---	---	---	---	0	0	---
MCPA	0,10	µg/l	---	---	---	---	0	0	---
Metribuzina	0,10	µg/l	---	---	---	---	0	0	---
Ometoato	0,10	µg/l	---	---	---	---	0	0	---
Terbutilazina	0,10	µg/l	---	---	---	---	0	0	---
Potássio	---	mg/L K	---	---	---	---	0	0	---
Selénio	10	µg/l Se	---	---	---	---	0	0	---
Sódio	200	mg/l Na	---	---	---	---	0	0	---
Sulfatos	250	mg/l SO4	---	---	---	---	0	0	---
Tetracloroetano e Tricloroetano:	10	µg/l	---	---	---	---	0	0	---
Tetracloroetano	---	µg/l	---	---	---	---	0	0	---
Tricloroetano	---	µg/l	---	---	---	---	0	0	---
Trihalometanos - total (THM):	100	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	500,00	Bq/l	---	---	---	---	0	0	---
Alfa total	0,10	Bq/l	---	---	---	---	0	0	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP: Não aplicável por não terem existido incumprimentos neste trimestre.

O presidente: Drª. Helena M. da Silva Ventura Barril

Data da publicação: 2024/05/27

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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	
Escherichia coli (E. Coli)	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	1,50	1,50	---	---	1	1	100%
Cheiro a 25 °C	3	Fator de diluição	---	---	---	---	0	0	---
Sabor a 25 °C	3	Fator de diluição	---	---	---	---	0	0	---
pH	≥6,5 e ≤9,5	Unidades pH	---	---	---	---	0	0	---
Condutividade	2500	µS/cm a 20 °C	---	---	---	---	0	0	---
Cor	20	mg/l PtCo	---	---	---	---	0	0	---
Turvação	4	UNT	---	---	---	---	0	0	---
Enterococos	0	N/100 ml	---	---	---	---	0	0	---
Número de colónias a 22 °C	---	N/ml	---	---	---	---	0	0	---
Clostridium perfringens	0	N/100 ml	---	---	---	---	0	0	---
Alumínio	200	µg/L Al	---	---	---	---	0	0	---
Amónio	0,50	mg/l NH4	---	---	---	---	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 BrO3	---	---	---	---	0	0	---
Cádmio	5,0	µg/l Cd	---	---	---	---	0	0	---
Cálcio	---	mg/l Ca	---	---	---	---	0	0	---
Cianetos	50	µg/l CN	---	---	---	---	0	0	---
Cloretos	250	mg/l Cl	---	---	---	---	0	0	---
Cloritos	0,7	mg/l ClO2	---	---	---	---	0	0	---
Cloratos	0,7	mg/l ClO3	---	---	---	---	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 CaCO3	---	---	---	---	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	50	mg/l NO3	---	---	---	---	0	0	---
Nitritos	0,50	mg/l NO2	---	---	---	---	0	0	---
Mercúrio	1,0	µg/l Hg	---	---	---	---	0	0	---
Níquel	20	µg/l Ni	---	---	---	---	0	0	---
Oxidabilidade	5,0	mg/l O2	---	---	---	---	0	0	---
Pesticidas - total	0,50	µg/l	---	---	---	---	0	0	---
AMPA	0,10	µg/l	---	---	---	---	0	0	---
Bentazona	0,10	µg/l	---	---	---	---	0	0	---
Desetilterbutilazina	0,10	µg/l	---	---	---	---	0	0	---
Dimetenamida-P	0,10	µg/l	---	---	---	---	0	0	---
Dimetoato	0,10	µg/l	---	---	---	---	0	0	---
Glifosato	0,10	µg/l	---	---	---	---	0	0	---
Imidaclopride	0,10	µg/l	---	---	---	---	0	0	---
M656PH051	0,10	µg/l	---	---	---	---	0	0	---
MCPA	0,10	µg/l	---	---	---	---	0	0	---
Metribuzina	0,10	µg/l	---	---	---	---	0	0	---
Ometoato	0,10	µg/l	---	---	---	---	0	0	---
Terbutilazina	0,10	µg/l	---	---	---	---	0	0	---
Potássio	---	mg/l K	---	---	---	---	0	0	---
Selénio	10	µg/l Se	---	---	---	---	0	0	---
Sódio	200	mg/l Na	---	---	---	---	0	0	---
Sulfatos	250	mg/l SO4	---	---	---	---	0	0	---
Tetracloroetano e Tricloroetano:	10	µg/l	---	---	---	---	0	0	---
Tetracloroetano	---	µg/l	---	---	---	---	0	0	---
Tricloroetano	---	µg/l	---	---	---	---	0	0	---
Trihalometanos - total (THM):	100	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	500,00	Bq/l	---	---	---	---	0	0	---
Alfa total	0,10	Bq/l	---	---	---	---	0	0	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP: Não aplicável por não terem existido incumprimentos neste trimestre.

O presidente: Drª. Helena M. da Silva Ventura Barril



Data da publicação: 2024/05/27



DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE MIRANDA DO DOURO

1º TRIMESTRE

ZONA DE ABASTECIMENTO: MIRANDA

2024

Em conformidade com o Decreto-Lei n.º 69/2023, de 21 de agosto, 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).

Table with 10 columns: Parâmetro (unidades), Valor Paramétrico (VP) (VP, Unidade), Valores obtidos (Mínimo, Máximo), N.º Análises superiores VP, % Cumprimento do VP, N.º Análises (PCQA) (Previstas, Realizadas), % Análises Realizadas. Rows include various water quality parameters like Escherichia coli, Bactérias coliformes, pH, etc.

Informação complementar relativa à averiguação das situações de incumprimento dos VP: Não aplicável por não terem existido incumprimentos neste trimestre.

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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	14	14	1	0%	1	1	100%
Desinfetante residual	---	mg/l	<0,16	<0,16	---	---	1	1	100%
Cheiro a 25 °C	3	Fator de diluição	---	---	---	---	0	0	---
Sabor a 25 °C	3	Fator de diluição	---	---	---	---	0	0	---
pH	≥6,5 e ≤9,5	Unidades pH	---	---	---	---	0	0	---
Condutividade	2500	µS/cm a 20 °C	---	---	---	---	0	0	---
Cor	20	mg/l PtCo	---	---	---	---	0	0	---
Turvação	4	UNT	---	---	---	---	0	0	---
Enterococos	0	N/100 ml	---	---	---	---	0	0	---
Número de colónias a 22 °C	---	N/ml	---	---	---	---	0	0	---
<i>Clostridium perfringens</i>	0	N/100 ml	---	---	---	---	0	0	---
Alumínio	200	µg/L Al	---	---	---	---	0	0	---
Amónio	0,50	mg/l NH4	---	---	---	---	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 BrO3	---	---	---	---	0	0	---
Cádmio	5,0	µg/l Cd	---	---	---	---	0	0	---
Cálcio	---	mg/l Ca	---	---	---	---	0	0	---
Cianetos	50	µg/l CN	---	---	---	---	0	0	---
Cloratos	250	mg/l Cl	---	---	---	---	0	0	---
Cloritos	0,7	mg/l ClO2	---	---	---	---	0	0	---
Cloratos	0,7	mg/l ClO3	---	---	---	---	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 CaCO3	---	---	---	---	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	50	mg/l NO3	---	---	---	---	0	0	---
Nitritos	0,50	mg/l NO2	---	---	---	---	0	0	---
Mercúrio	1,0	µg/l Hg	---	---	---	---	0	0	---
Níquel	20	µg/l Ni	---	---	---	---	0	0	---
Oxidabilidade	5,0	mg/l O2	---	---	---	---	0	0	---
Pesticidas - total	0,50	µg/l	---	---	---	---	0	0	---
AMPA	0,10	µg/l	---	---	---	---	0	0	---
Bentazona	0,10	µg/l	---	---	---	---	0	0	---
Desetilterbutilazina	0,10	µg/l	---	---	---	---	0	0	---
Dimetenamida-P	0,10	µg/l	---	---	---	---	0	0	---
Dimetoato	0,10	µg/l	---	---	---	---	0	0	---
Glifosato	0,10	µg/l	---	---	---	---	0	0	---
Imidaclopride	0,10	µg/l	---	---	---	---	0	0	---
M656PH051	0,10	µg/l	---	---	---	---	0	0	---
MCPA	0,10	µg/l	---	---	---	---	0	0	---
Metribuzina	0,10	µg/l	---	---	---	---	0	0	---
Ometoato	0,10	µg/l	---	---	---	---	0	0	---
Terbutilazina	0,10	µg/l	---	---	---	---	0	0	---
Potássio	---	mg/l K	---	---	---	---	0	0	---
Selénio	10	µg/l Se	---	---	---	---	0	0	---
Sódio	200	mg/l Na	---	---	---	---	0	0	---
Sulfatos	250	mg/l SO4	---	---	---	---	0	0	---
Tetracloroetano e Tricloroetano:	10	µg/l	---	---	---	---	0	0	---
Tetracloroetano	---	µg/l	---	---	---	---	0	0	---
Tricloroetano	---	µg/l	---	---	---	---	0	0	---
Trihalometanos - total (THM):	100	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	500,00	Bq/l	---	---	---	---	0	0	---
Alfa total	0,10	Bq/l	---	---	---	---	0	0	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP: O incumprimento de bactérias coliformes deveu-se a uma contaminação da rede predial devido à mistura da origem de água particular. Foram efetuadas várias "investigações" e, *a posteriori*, comunicado por escrito ao responsável do estabelecimento. Este incumprimento foi devidamente comunicado à AS (Autoridade de Saúde) e à ERSAR (Entidade Reguladora dos Serviços de Águas e Resíduos), tendo sido emitidos os respetivos pareceres.