



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

4º TRIMESTRE 2024

 Município de Miranda do Douro	DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE MIRANDA DO DOURO						4º TRIMESTRE		
	ZONA DE ABASTECIMENTO: ÁGUAS VIVAS						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%	1	1	100%
Bactérias coliformes	0	N/100 ml	0	0	0	100%	1	1	100%
Desinfetante residual	---	mg/l	0,60	0,60	---	---	1	1	100%
Cheiro a 25 ºC	3	Fator de diluição	---	---	---	---	0	0	---
Sabor a 25 ºC	3	Fator de diluição	---	---	---	---	0	0	---
pH	≥6,5 e ≤9,5	Unidades pH	---	---	---	---	0	0	---
Condutividade	2500	µS/cm a 20 ºC	---	---	---	---	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 ºC	---	N/ml	---	---	---	---	0	0	---
Clostridium perfringens	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	---
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 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	---
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: 2025/01/30				

	DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE MIRANDA DO DOURO						4º TRIMESTRE		
	ZONA DE ABASTECIMENTO: <i>BARROCAL</i>						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	
<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	0,40	0,70	---	---	3	3	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	8,3	8,3	0	100%	1	1	100%
Condutividade	2500	µS/cm a 20 ºC	515	515	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 ºC	---	N/ml	0	0	---	---	1	1	100%
Clostridium perfringens	0	N/100 ml	0	0	0	100%	1	1	100%
Alumínio	200	µg/L Al	22,9	22,9	0	100%	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	0,1	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: 2025/01/30				

 Município de Miranda do Douro	DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE MIRANDA DO DOURO						4º TRIMESTRE		
	ZONA DE ABASTECIMENTO: <i>FONTE ALDEIA</i>						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	
<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	0,60	0,60	---	---	1	1	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	7,8	7,8	0	100%	1	1	100%
Condutividade	2500	µS/cm a 20 ºC	352	352	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 ºC	---	N/ml	0	0	---	---	1	1	100%
Clostridium perfringens	0	N/100 ml	0	0	0	100%	1	1	100%
Alumínio	200	µg/L Al	<20	<20	0	100%	1	1	100%
Amónio	0,50	mg/l NH4	<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	<1	<1	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	0,012	0,012	0	100%	1	1	100%
Bromatos	10	µg/l BrO3	<3	<3	0	100%	1	1	100%
Cádmio	5,0	µg/l Cd	<0,1	<0,1	0	100%	1	1	100%
Cálcio	---	mg/l Ca	55	55	---	---	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 ClO2	<0,02	<0,02	0	100%	1	1	100%
Cloratos	0,7	mg/l ClO3	<0,08	<0,08	0	100%	1	1	100%
Chumbo	10	µg/l Pb	<1	<1	0	100%	1	1	100%
Cobre	2,0	mg/l Cu	0,0022	0,0022	0	100%	1	1	100%
Crómio	50	µg/l Cr	<1	<1	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 CaCO3	156	156	---	---	1	1	100%
Ferro	200	µg/l Fe	<60	<60	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	4	4	---	---	1	1	100%
Manganês	50	µg/l Mn	<0,5	<0,5	0	100%	1	1	100%
Nitratos	50	mg/l NO3	3	3	0	100%	1	1	100%
Nitritos	0,50	mg/l NO2	<0,1	<0,1	0	100%	1	1	100%
Mercurio	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 O2	<1	<1	0	100%	1	1	100%
Pesticidas - total	0,50	µg/l	<0,10	<0,10	0	100%	1	1	100%
AMPA	0,10	µg/l	---	---	---	---	0	0	---
Bentazona	0,10	µg/l	---	---	---	---	0	0	---
Desetilterbutilazina	0,10	µg/l	<0,03	<0,03	0	100%	1	1	100%
Dimetenamida-P	0,10	µg/l	<0,03	<0,03	0	100%	1	1	100%
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	<0,03	<0,03	0	100%	1	1	100%
MCPA	0,10	µg/l	<0,03	<0,03	0	100%	1	1	100%
Metribuzina	0,10	µg/l	<0,03	<0,03	0	100%	1	1	100%
Ometoato	0,10	µg/l	---	---	---	---	0	0	---
Terbutilazina	0,10	µg/l	<0,03	<0,03	0	100%	1	1	100%
Potássio	---	mg/L K	2,49	2,49	---	---	0	0	---
Selénio	10	µg/l Se	<1	<1	0	100%	1	1	100%
Sódio	200	mg/l Na	13,1	13,1	0	100%	1	1	100%
Sulfatos	250	mg/l SO4	<10	<10	0	100%	1	1	100%
Tetracloroetano e Tricloroetano:	10	µg/l	<0,2	<0,2	0	100%	1	1	100%
Tetracloroetano	---	µg/l	<0,2	<0,2	---	---	1	1	100%
Tricloroetano	---	µg/l	<0,2	<0,2	---	---	1	1	100%
Trihalometanos - total (THM):	100	µg/l	45,9	45,9	0	100%	1	1	100%
Clorofórmio	---	µg/l	31,7	31,7	---	---	1	1	100%
Bromofórmio	---	µg/l	<0,2	<0,2	---	---	1	1	100%
Bromodiclorometano	---	µg/l	11,7	11,7	---	---	1	1	100%
Dibromoclorometano	---	µg/l	2,5	2,5	---	---	1	1	100%
Dose indicativa	0,10	mSv	<0,1	<0,1	0	100%	1	1	100%
Radão	500,00	Bq/l	40,2	40,2	0	100%	1	1	100%
Alfa total	0,10	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.									
O presidente: Drª. Helena M. da Silva Ventura Barril					Data da publicação: 2025/01/30				

	DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE MIRANDA DO DOURO						4º TRIMESTRE		
	ZONA DE ABASTECIMENTO: <i>FONTE LADRÃO</i>						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	
<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	0,25	0,30	---	---	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	7,3	7,3	0	100%	1	1	100%
Condutividade	2500	µS/cm a 20 °C	356	356	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	---
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	<60	<60	0	100%	1	1	100%
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	<0,03	<0,03	0	100%	1	1	100%
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	<0,03	<0,03	0	100%	1	1	100%
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: 2025/01/30				

 Município de Miranda do Douro	DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE MIRANDA DO DOURO						4º TRIMESTRE		
	ZONA DE ABASTECIMENTO: <i>MIRANDA</i>						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	
<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	0,17	0,50	---	---	3	3	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	7,9	7,9	0	100%	1	1	100%
Condutividade	2500	µS/cm a 20 ºC	337	337	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 ºC	---	N/ml	0	0	---	---	1	1	100%
Clostridium perfringens	0	N/100 ml	0	0	0	100%	1	1	100%
Alumínio	200	µg/L Al	<20	<20	0	100%	1	1	100%
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	---
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: 2025/01/30				

	DADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NO CONCELHO DE MIRANDA DO DOURO						4º TRIMESTRE		
	DOURO								
	ZONA DE ABASTECIMENTO: S. MARTINHO DE ANGUEIRA						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	0,29	0,33	---	---	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	8,2	8,2	0	100%	1	1	100%
Condutividade	2500	µS/cm a 20 °C	351	351	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%
Clostridium perfringens	0	N/100 ml	0	0	0	100%	1	1	100%
Alumínio	200	µg/L Al	43,5	43,5	0	100%	1	1	100%
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: 2025/01/30				