



EDITAL N.º 18/2025

PUBLICITAÇÃO DOS RESULTADOS DAS ANÁLISES A ÁGUA PARA CONSUMO HUMANO

Cristina Maria Ferreira, Presidente da Câmara Municipal de Penedono, torna público que:

Nos termos e para os efeitos do disposto no art. 17 do Decreto-Lei n.º 306/2007 de 27 de Agosto, alterado pelo Decreto-Lei n.º 152/2017 de 7 de Dezembro, publicitam-se os resultados obtidos na análise de demonstração de conformidade da qualidade da água para consumo humano obtida no Concelho de Penedono.

1º Trimestre de 2025

Resumo dos parâmetros pesquisados na zona de abastecimento: Castaíção						1.º TRIMESTRE 2025 01 de janeiro a 31 de março		
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli	0	0	0	0	100	1	1	100%
Bactérias Coliformes	0	0	0	0	100	1	1	100%
Desinfetante residual	---	0,60	0,60	---	---	1	1	100%
Cheiro a 25°C	3	---	---	---	---	---	---	---
Sabor a 25°C	3	---	---	---	---	---	---	---
PH	≥6,5 e ≤9,5	---	---	---	---	---	---	---
Condutividade	2500	---	---	---	---	---	---	---
Cor	20	---	---	---	---	---	---	---
Turvação	4	---	---	---	---	---	---	---
Enterococos	0	---	---	---	---	---	---	---
Número de Colónias a 22 °C	Sem alter. anormal	---	---	---	---	---	---	---
Clostridium perfringens	0	---	---	---	---	---	---	---
Alumínio (µg Al/L)	200	---	---	---	---	---	---	---
Amónio (mg NH4/L)	0,50	---	---	---	---	---	---	---
Antimónio	5,0	---	---	---	---	---	---	---
Arsénio	10	---	---	---	---	---	---	---
Benzeno	1,0	---	---	---	---	---	---	---
Benzo(a)pireno	0,010	---	---	---	---	---	---	---
Boro	1,0	---	---	---	---	---	---	---
Bromatos	10	---	---	---	---	---	---	---
Cádmio	5,0	---	---	---	---	---	---	---
Cálcio	---	---	---	---	---	---	---	---
Carbono Orgânico Total	---	---	---	---	---	---	---	---
Cianetos	50	---	---	---	---	---	---	---
Cloretos	250	---	---	---	---	---	---	---
Cloritos	0,7	---	---	---	---	---	---	---
Cloratos	0,7	---	---	---	---	---	---	---
Chumbo	10	---	---	---	---	---	---	---
Cobre	2,0	---	---	---	---	---	---	---
Crómio	50	---	---	---	---	---	---	---
1,2 - Dicloroetano	3,0	---	---	---	---	---	---	---
Dureza Total	---	---	---	---	---	---	---	---
Ferro	200	---	---	---	---	---	---	---
Fluoretos	1,5	---	---	---	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos (HAP)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno	---	---	---	---	---	---	---	---
Benzo(ghi)perileno	---	---	---	---	---	---	---	---

Indeno(1,2,3-cd)pireno	---	---	---	---	---	---	---	---
Magnésio	---	---	---	---	---	---	---	---
Manganês	50	---	---	---	---	---	---	---
Nitratos	50	---	---	---	---	---	---	---
Nitritos	0,50	---	---	---	---	---	---	---
Mercurio	1,0	---	---	---	---	---	---	---
Níquel	20	---	---	---	---	---	---	---
Oxidabilidade	5,0	---	---	---	---	---	---	---
Selénio	20	---	---	---	---	---	---	---
Sódio	200	---	---	---	---	---	---	---
Sulfatos	250	---	---	---	---	---	---	---
Tetracloroeteno e Tricloroeteno	10	---	---	---	---	---	---	---
Tetracloroeteno	---	---	---	---	---	---	---	---
Tricloroeteno	---	---	---	---	---	---	---	---
Trihalometanos – total (THM)	100,80(ponto de entrega)	---	---	---	---	---	---	---
Clorofórmio	---	---	---	---	---	---	---	---
Bromofórmio	---	---	---	---	---	---	---	---
Bromodiclorometano	---	---	---	---	---	---	---	---
Dibromoclorometano	---	---	---	---	---	---	---	---
Dose indicativa total	0,10	---	---	---	---	---	---	---
Alfa-total	0,10(Nível de verificação)	---	---	---	---	---	---	---
B-Total	1,0 (Nível de verificação)	---	---	---	---	---	---	---
Radão	500	---	---	---	---	---	---	---
Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas):								
Os resultados analíticos apresentados estão em conformidade com as normas de qualidade estabelecidas no D.L. n.º 306/2007 alterado pelo D.L. N.º 152/2007.								

Notas:

L.Q. - Limite de Quantificação

*O V.P. de 0,25 mg/L deve ser considerado quando são utilizados métodos de desinfecção que não gerem Cloratos e/ou Cloritos (e.g. cloro gasoso).

Resumo dos parâmetros pesquisados na zona de abastecimento: Eta do Sirigo							1.º TRIMESTRE 2025 01 de Janeiro a 31 de março	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli	0	0	0	0	100	3	3	100%
Bactérias Coliformes	0	0	0	0	100	3	3	100%
Desinfetante residual	---	0,35	0,92	---	---	3	3	100%
Cheiro a 25°C	3	<1	<1	0	100	1	1	100%
Sabor a 25°C	3	<1	<1	0	100	1	1	100%
PH	≥6,5 e ≤9,5	7,6	7,6	0	100	1	1	100%
Condutividade	2500	79,0	79,0	0	100	1	1	100%
Cor	20	<5,0	<5,0	0	100	1	1	100%
Turvação	4	0,25	0,25	0	100	1	1	100%
Enterococos	0	0	0	0	100	1	1	100%
Número de Colónias a 22 °C	Sem alter. anormal	N.D.	N.D.	---	---	1	1	100%
Clostridium perfringens	0	0	0	0	100	1	1	100%
Alumínio (µg Al/L)	200	160	160	0	100	1	1	100%
Amónio (mg NH4/L)	0,50	<0,050	<0,050	0	100	1	1	100%
Antimónio	5,0	<0,05	<0,05	0	100	1	1	100%
Arsénio	10	1,37	1,37	0	100	1	1	100%
Benzeno	1,0	<0,3	<0,3	0	100	1	1	100%
Benzo(a)pireno	0,010	<0,002	<0,002	0	100	1	1	100%
Boro	1,0	<0,10	<0,10	0	100	1	1	100%
Bromatos	10	<1,5	<1,5	0	100	1	1	100%
Cádmio	5,0	<1,0	<1,0	0	100	1	1	100%
Cálcio	---	7,2	7,2	---	---	1	1	100%
Carbono Orgânico Total	---	---	---	---	---	---	---	---
Clanetos	50	<1,0	<1,0	0	100	1	1	100%
Cloretos	250	13	13	0	100	1	1	100%
Cloritos	0,7	<0,010	<0,010	0	100	1	1	100%
Cloratos	0,7	0,77	0,77	0	100	1	1	100%
Chumbo	10	<3,0	<3,0	0	100	1	1	100%
Cobre	2,0	<0,010	<0,010	0	100	1	1	100%
Crómio	50	<5,0	<5,0	0	100	1	1	100%
1,2 - Dicloroetano	3,0	<0,3	<0,3	0	100	1	1	100%
Dureza Total	---	21	21	---	---	1	1	100%
Ferro	200	21	21	0	100	1	1	100%
Fluoretos	1,5	0,048	0,048	0	100	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos (HAP)	0,10	<0,005 (Maior LQ)	<0,005 (maior LQ)	0	100	1	1	---
Benzo(b)fluoranteno	---	<0,005	<0,005	---	---	1	1	100%

Benzo(k)fluoranteno	---	<0,002	<0,002	---	---	1	1	100%
Benzo(ghi)perileno	---	<0,004	<0,004	---	---	1	1	100%
Indeno(1,2,3-cd)pireno	---	<0,004	<0,004	---	---	1	1	100%
Magnésio	---	0,65	0,65	---	---	1	1	100%
Manganês	50	16	16	0	100	1	1	100%
Potássio	s/alter. anormal	0,82	0,82	0	100	1	1	100%
Nitratos	50	4,4	4,4	0	100	1	1	100%
Nitritos	0,50	0,026	0,026	0	100	1	1	100%
Mercúrio	1,0	<0,01	<0,01	0	100	1	1	100%
Níquel	20	<5,0	<5,0	0	100	1	1	100%
Oxidabilidade	5,0	<1,0	<1,0	0	100	1	1	100%
Pesticidas Totais	0,50	<0,03 (Maior LQ)	<0,03 (Maior LQ)	0	100	1	1	100%
MCPA	0,10	<0,030	<0,030	0	100	1	1	100%
Terbutilazina	0,10	<0,030	<0,030	0	100	1	1	100%
Desetilterbutilazina	0,10	<0,030	<0,030	0	100	1	1	100%
Imidaclopride	0,10	<0,030	<0,030	0	100	1	1	100%
Dimetenamida-P	0,10	<0,030	<0,030	0	100	1	1	100%
M656PH 51	0,10	<0,030	<0,030	0	100	1	1	100%
Meltribuzina	0,10	<0,030	<0,030	0	100	1	1	100%
clorpirifos	0,10	<0,03	<0,03	0	100	1	1	100%
Diurão	0,10	<0,030	<0,030	0	100	1	1	100%
Selénio	20	<0,5	<0,5	0	100	1	1	100%
Sódio	200	6,4	6,4	0	100	1	1	100%
Sulfatos	250	<5,0	<5,0	0	100	1	1	100%
Tetracloroeteno e Tricloroeteno	10	<3 (Maior LQ)	<3 (Maior LQ)	0	100	1	1	100%
Tetracloroeteno	---	<3	<3	---	---	1	1	100%
Tricloroeteno	---	<0,3	<0,3	---	---	1	1	100%
Trihalometanos – total (THM)	100,80(ponto de entrega)	28	28	0	100	1	1	---
Clorofórmio	---	25	25	---	---	1	1	100%
Bromofórmio	---	<3	<3	---	---	1	1	100%
Bromodiclorometano	---	3	3	---	---	1	1	100%
Dibromoclorometano	---	<3	<3	---	---	1	1	100%
Dose indicativa total	0,10	<0,10	<0,10	0	100	1	1	100%
Alfa-total	0,10(Nível de verificação)	<0,04	<0,04	---	---	1	1	---
B-Total	1,0 (Nível de verificação)	---	---	---	---			---
Radão	500	2,4	2,4	0	100	1	1	100%

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

Os resultados analíticos apresentados estão em conformidade com as normas de qualidade estabelecidas no D.L. n.º 306/2007 alterado pelo D.L. N.º 152/2007.

Notas:

L.Q. - Limite de Quantificação

N.D. - Não detectado

*O V.P. de 0,25 mg/L deve ser considerado quando utilizados métodos de desinfeção que não gerem Cloratos e/ou Cloritos (e.g. Cloro gasoso)

Resumo dos parâmetros pesquisados na zona de abastecimento: Penedono							1.º TRIMESTRE 2025 01 de Janeiro a 31 de março	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli	0	0	0	0	100	3	3	100%
Bactérias Coliformes	0	0	0	0	100	3	3	100%
Desinfetante residual	---	0,19	0,82	---	---	3	3	100%
Cheiro a 25°C	3	<1	<1	0	100	2	2	100%
Sabor a 25°C	3	<1	<1	0	100	2	2	100%
PH	≥6,5 e ≤9,5	7,1	7,1	0	100	2	2	100%
Condutividade	2500	69,5	158	0	100	2	2	100%
Cor	20	<5,0	<5,0	0	100	2	2	100%
Turvação	4	<0,20	0,56	0	100	2	2	100%
Enterococos	0	0	0	0	100	2	2	100%
Número de Colónias a 22 °C	Sem alter. anormal	N.D.	N.D.	0	100	2	2	100%
Clostridium perfringens	0	0	0	0	100	2	2	100%
Alumínio (µg Al/L)	200	59	380	1	50	2	2	100%
Amónio (mg NH4/L)	0,50	<0,050	<0,050	0	100	2	2	100%
Antimónio	5,0	<0,05	<0,05	0	100	2	2	100%
Arsénio	10	1,23	5,14	0	100	2	2	100%
Benzeno	1,0	<0,3	<0,3	0	100	2	2	100%
Benzo(a)pireno	0,010	<0,002	<0,002	0	100	2	2	100%
Boro	1,0	<0,10	<0,10	0	100	2	2	100%
Bromatos	10	<1,5	<1,5	0	100	2	2	100%
Cádmio	5,0	<1,0	<1,0	0	100	2	2	100%

Cálcio	---	2,0	6,3	---	---	2	2	100%
Carbono Orgânico Total	---	---	---	---	---	---	---	---
Cianetos	50	<1,0	<1,0	0	100	2	2	100%
Cloratos	250	7,0	9,7	0	100	2	2	100%
Cloritos	0,7	<0,010	<0,010	0	100	2	2	100%
Cloratos	0,7	0,074	0,38	0	100	2	2	100%
Chumbo	10	<3,0	<3,0	0	100	2	2	100%
Cobre	2,0	<0,10	0,025	0	100	2	2	100%
Crómio	50	<5,0	<5,0	0	100	2	2	100%
1,2 - Dicloroetano	3,0	<0,3	<0,3	0	100	2	2	100%
Dureza Total	---	8,4	18	---	---	2	2	100%
Ferro	200	<10	35	0	100	2	2	100%
Fluoretos	1,5	0,051	0,054	0	100	2	2	100%
Hidrocarbonetos Aromáticos Policíclicos (HAP)	0,10	<0,005 (Maior LQ)	<0,005 (Maior LQ)	0	100	2	2	---
Benzo(b)fluoranteno	---	<0,005	<0,005	---	---	2	2	100%
Benzo(k)fluoranteno	---	<0,002	<0,002	---	---	2	2	100%
Benzo(ghi)perileno	---	<0,004	<0,004	---	---	2	2	100%
Indeno(1,2,3-cd)pireno	---	<0,004	<0,004	---	---	2	2	100%
Magnésio	---	0,54	0,82	---	---	2	2	100%
Manganês	50	<10	<10	0	100	2	2	100%
Potássio	S7alter. anormal	0,84	0,85	---	---	2	2	100%
Nitratos	50	2,6	12	0	100	2	2	100%
Nitritos	0,50	0,011	0,026	0	100	2	2	100%
Mercúrio	1,0	<0,01	<0,01	0	100	2	2	100%
Níquel	20	<5,0	<5,0	0	100	2	2	100%
Oxidabilidade	5,0	<1,0	2,2	0	100	2	2	100%
Pesticidas Totais	0,50	<0,03 (Maior LQ)	<0,03 (Maior LQ)	0	100	2	2	100%
MCPA	0,10	<0,030	<0,030	0	100	2	2	100%
Terbutilazina	0,10	<0,030	<0,030	0	100	2	2	100%
Desetilterbutilazina	0,10	<0,030	<0,030	0	100	2	2	100%
Imidaclopride	0,10	<0,030	<0,030	0	100	2	2	100%
Dimetenamida-P	0,10	<0,030	<0,030	0	100	2	2	100%
M656PH051	0,10	<0,030	<0,030	0	100	2	2	100%
Metribuzina	0,10	<0,030	<0,030	0	100	2	2	100%
Clorpirifos	0,10	<0,03	<0,03	0	100	2	2	100%
Diurão	0,10	<0,030	<0,030	0	100	2	2	100%
Selénio	20	<0,5	<0,5	0	100	2	2	100%
Sódio	200	6,4	35	0	100	2	2	100%
Sulfatos	250	<5,0	<5,0	0	100	2	2	100%
Tetracloroeteno e Tricloroeteno	10	<3 (Maior LQ)	<3 (Maior LQ)	0	100	2	2	100%
Tetracloroeteno	---	<3	<3	---	---	2	2	100%
Tricloroeteno	---	<3	<3	---	---	2	2	100%
Trihalometanos - total (THM)	100	<3 (Maior LQ)	61	0	100	2	2	---
Clorofórmio	---	<3	58	---	---	2	2	100%
Bromofórmio	---	<3	<3	---	---	2	2	100%
Bromodiclorometano	---	<3	3	---	---	2	2	100%
Dibromoclorometano	---	<3	<3	---	---	2	2	100%
Dose indicativa total	0,10	<0,10	<0,10	0	100	2	2	100%
Alfa-total	0,10 (Nível de verificação)	<0,04	0,08	---	---	2	2	---
B-Total	1,0 (Nível de verificação)	---	---	---	---	---	---	---
Radão	500	5,5	391	0	100	2	2	100%

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

Os resultados analíticos apresentados estão em conformidade com as normas de qualidade estabelecidas no D.L. n.º 306/2007 alterado pelo D.L. N.º 152/2007.

ZA PE	Data Amostragem	Parâmetro	Causas Incumprimento	Análise Verificação (A.V)	Medidas tomadas ou a implementar
Penedono	2025-03-25	Alumínio	# Dosagem inadequada de reagente # Falha no sistema de tratamento	-	# Correção da dosagem de reagente no tratamento; correção no funcionamento do sistema de tratamento

Informação presente no portal da Entidade Reguladora_ERSAR

Notas:

L.Q. - Limite de Quantificação

N.D. - Não detectado

*O V.P de 0,25 mg/L deve ser considerado quando são utilizados métodos de desinfecção que não gerem Cloratos e/ou Cloritos (e.g. cloro gasoso)

Paços do Município, 13 de maio de 2025

A Presidente da Câmara,


Cristina Ferreira