Controlo da Qualidade da Água para Consumo Humano do Sistema de Abastecimento Público

Zona de Abastecimento de Água: **Leitões - Arazede**

1º Trimestre
01 de janeiro a 31 de março
Ano 2026

Parâmetro	VP - Valor Paramétrico		Valores Obtidos		Nº de Análises Superiores ao VP	% de Cumprimento do VP	Nº de Análises PCQA 2026		% Análises Realizadas
	VP	Unidade	Mínimo	Máximo			Previstas	Realizadas	
Escherichia coli (E. Coli)	0	N/100ml	0	0	0	100%	3	3	100%
Bactérias Coliformes	0	N/100ml	0	0	0	100%	3	3	100%
Desinfectante Residual	---	mg/l	0,24	0,29	---	---	3	3	100%
Cheiro a 25ºC	3,0	Fator de diluição	<1	<1	0	100%	1	1	100%
Sabor a 25ºC	3,0	Fator de diluição	<1	<1	0	100%	1	1	100%
pH	≥6,5 e ≤9,5	E. de Sorensen	7,8	7,8	0	100%	1	1	100%
Condutividade	2500	µS/cm a 20ºC	440	440	0	100%	1	1	100%
Cor	20,0	mg/l PtCo	<5,0	<5,0	0	100%	1	1	100%
Turvação	4,0	UNT	1,10	1,10	0	100%	1	1	100%
Enterococos fecais	0	N/100ml	0	0	0	100%	1	1	100%
Número de Colónias a 22ºC	---	N/ml a 22ºC	ND	ND	---	---	1	1	100%
Número de Colónias a 36ºC	---	N/ml a 36ºC	---	---	---	---	---	---	---
Alumínio	200,0	µg/l Al	<20	<20	0	100%	1	1	100%
Cálcio	---	mg/l Ca	75	75	---	---	1	1	100%
Clostridium perfringens	0	N/100ml	0	0	0	100%	1	1	100%
Dureza Total	---	mg/l CaCO3	230	230	---	---	1	1	100%
Dose Indicativa (1)(2)	0,1	mSv	<0,1	<0,1	0	100%	1	1	100%
Alfa-total (1)(2)	---	Bq/l	<0,4	<0,4	---	---	1	1	100%
Beta- Total (1)	---	Bq/l	---	---	---	---	---	---	---
Polónio 210	---	Bq/l	<0,01 (LD)	<0,01 (LD)	0	100%	1	1	100%
Rádio 226	---	Bq/l	0,101	0,101	0	100%	1	1	100%
Urânio 234	---	Bq/l	---	---	---	---	---	---	---
Urânio 238	---	Bq/l	---	---	---	---	---	---	---
Radão	500	Bq/l	---	---	---	---	---	---	---
Ferro	200	µg/l Fe	11	11	0	100%	1	1	100%
Magnésio	---	mg/l Mg	11	11	---	---	1	1	100%
Manganês	50	µg/l Mn	<10	<10	0	100%	1	1	100%
Oxidabilidade	5,0	mg/l O2	<1,0	1	0	100%	1	1	100%
Potássio	---	mg/l K	2	2	---	---	1	1	100%
Ácidos Haolacéticos	60,0	µg/l	5	5	0	100%	1	1	100%
Amónio	0,5	mg/l NH4	<0,050	<0,050	0	100%	1	1	100%
Antimónio (1)(2)	10,0	µg/l Sb	<0,05	<0,05	0	100%	1	1	100%
Arsénio (1)(2)	10	µg/l As	0,06	0,06	0	100%	1	1	100%
Benzeno (1)(2)	1,0	µg/l	<0,3	<0,3	0	100%	1	1	100%
Benzo(a)pireno	0,01	µg/l	<0,002	<0,002	0	100%	1	1	100%
Bisfenol A	2,5	µg/l	<0,050	<0,050	0	100%	1	1	100%
Boro (1)(2)	1,5	mg/l B	<0,10	<0,10	0	100%	1	1	100%
Bromatos (1)(2)	10,0	µg/l BrO3	<1,5	<1,5	0	100%	1	1	100%
Cádmio (1)(2)	5	µg/l Cd	<1,0	<1,0	0	100%	1	1	100%
Carbono Orgânico Total (COT)	---	mg/l C	---	---	---	---	---	---	---
Cianetos (1)(2)	50	µg/l CN	<1,0	<1,0	0	100%	1	1	100%
Cloretos (1)(2)	250,0	mg/l Cl	23	23	0	100%	1	1	100%
Cloritos	0,25 (3)	mg/l	<0,010	<0,010	0	100%	1	1	100%
Cloratos	0,25 (3)	mg/l	<0,010	<0,010	0	100%	1	1	100%
Chumbo	10	µg/l Pb	<3,0	<3,0	0	100%	1	1	100%
Cobre	2,0	mg/l Cu	0,12	0,12	0	100%	1	1	100%
Crómio	50	µg/l Cr	<5,0	<5,0	0	100%	1	1	100%
1,2 - dicloroetano (1)(2)	3,0	µg/l	<0,3	<0,3	0	100%	1	1	100%
Fluoretos (1)(2)	1,5	mg/l F	0,12	0,12	0	100%	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos (HAP) (**):	0,1	µg/l	<0,005 (>LQ)	<0,005 (>LQ)	0	100%	1	1	100%
Benzo(b)fluoranteno	---	µg/l	---	---	---	---	---	---	---
Benzo(k)fluoranteno	---	µg/l	---	---	---	---	---	---	---
Benzo(ghi)perileno	---	µg/l	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno	---	µg/l	---	---	---	---	---	---	---
Nitratos (1)(2)	50	mg/l NO3	3,6	3,6	0	100%	1	1	100%
Nitritos	0,5	mg/l NO2	0,01	0,01	0	100%	1	1	100%
Mercúrio (1)(2)	1	µg/l Hg	<0,01	<0,01	0	100%	1	1	100%
Níquel	20,0	µg/l Ni	<5,0	<5,0	0	100%	1	1	100%
Pesticidas - totais (1)(2)	0,5	µg/l	---	---	---	---	---	---	---
M656PH051 (1)	0,1	µg/l	---	---	---	---	---	---	---
Bentazona (1)	0,1	µg/l	---	---	---	---	---	---	---
Clorpirifos (1)	0,1	µg/l	---	---	---	---	---	---	---
Dimetoato (1)	0,1	µg/l	---	---	---	---	---	---	---
Diurão (1)	0,1	µg/l	---	---	---	---	---	---	---
Imidaclopride (1)	0,1	µg/l	---	---	---	---	---	---	---
S-Metolacloro (1)	0,1	µg/l	---	---	---	---	---	---	---
MCPA (1)	0,1	µg/l	---	---	---	---	---	---	---
Dimetenamida-P (1)	0,1	µg/l	---	---	---	---	---	---	---
Metribuzina (1)	0,1	µg/l	---	---	---	---	---	---	---
Terbutilazina (1)	0,1	µg/l	---	---	---	---	---	---	---
Desetilterbutilazina (1)	0,1	µg/l	---	---	---	---	---	---	---
Ometoato (1)	0,1	µg/l	---	---	---	---	---	---	---
Metalaxil (1)	0,1	µg/l	---	---	---	---	---	---	---
Tebuconazol (1)	0,1	µg/l	---	---	---	---	---	---	---
Glifosato (1)	0,1	µg/l	---	---	---	---	---	---	---
AMPA (1)	0,1	µg/l	---	---	---	---	---	---	---
Selénio (1)(2)	20	µg/l Se	<0,5	<0,5	0	100%	1	1	100%
Sódio (1)(2)	200,0	mg/l Na	14	14	0	100%	1	1	100%
Sulfatos (1)(2)	250	mg/l SO4	41	41	0	100%	1	1	100%
Tetracloroeteno e Tricloroeteno (1)(2)(***)	10,0	µg/l	>3(>LQ)	<3(>LQ)	0	100%	1	1	100%
Soma de PFAS (****)	0,10	µg/l	---	---	---	---	---	---	---
Tetracloroeteno	---	µg/l	---	---	---	---	---	---	---
Tricloroeteno	---	µg/l	---	---	---	---	---	---	---
Trihalometanos - Totais (THM)	100,0	µg/l	8	8	0	100%	1	1	100%
Clorofórmio	---	µg/l	---	---	---	---	---	---	---
Bromofórmio	---	µg/l	---	---	---	---	---	---	---
Bromodiclorometano	---	µg/l	---	---	---	---	---	---	---
Dibromoclorometano	---	µg/l	---	---	---	---	---	---	---
Urânio	30	µg/l	---	---	---	---	---	---	---

Informação complementar

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).

Nota:

Os resultados analíticos obtidos na água fornecida pela entidade gestora em alta INOVA, E.M., S.A., cujos resultados dos parametros estão assinalados (2), encontram-se publicitados neste boletim.

Informação complementar relativa à averiguação de incumprimentos dos Valores Paramétricos (VP):

Não foi detetada nenhuma situação de incumprimento ao Valor Paramétrico na zona de abastecimento Leitões-Arazade

Laboratórios responsáveis pelas colheitas e ensaios:

Cesab

Legenda:

VP - Valor Paramétrico constante do anexo I do DL 69/2023, de 21 de agosto
ND - Não Detectado
LQ - Limite de Quantificação
LD - Limite de Deteção
NA - Não Aplicável
(1) Parâmetros Conservativos

(2) Parâmetros Conserv analisados pela EG em Alta

(3) VP configurado em função do sistema de desinfeção existente

* O valor de "Ácidos Haloacéticos (HAA)" corresponde à soma das 5 espécies: monocloroacético, dicloroacético, tricloroacético, monobromoacético e dibromoacético.

** O resultado de "Hidrocarbonetos Aromáticos Policíclicos (HAP)" corresponde à soma das 5 espécies: Benzo[b]fluoranteno; Benzo[k]fluoranteno; Benzo[ghi]perileno; Indeno[1,2,3 -cd]pireno.

*** O resultado de "Tetracloroeteno e Tricloroeteno" corresponde ao resultado determinado com base nas análises realizadas aos dois compostos individuais.

**** A soma de PFAS corresponde ao total obtido para os seguinte 20 ácidos: perfluorobutanóico, perfluoropentanóico, perfluorohexanóico, perfluoroheptanóico, perfluorooctanóico, perfluorononanóico, perfluorodecanóico, perfluoroundecanóico, perfluorododecanóico, perfluorotridecanóico, perfluorobutanossulfónico, perfluoropentanossulfónico, perfluorohexanossulfónico, perfluoroheptanossulfónico, perfluorooctanossulfónico, perfluorononanossulfónico, perfluorodecanossulfónico, perfluoroundecanossulfónico, perfluorododecanossulfónico, perfluorotridecanossulfónico.

Diretor-Geral:

Idalécio Pessoa Oliveira, *Eng.*

Data:

26 de Junho de 2026