

# MUNICÍPIO DE MANGUALDE

## CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NAS ZONAS DE ABASTECIMENTO<sup>1</sup> DO CONCELHO DE MANGUALDE

EDITAL n.º 22/2019

Em conformidade com o Decreto-Lei nº 306/2007, de 27 de agosto, alterado e republicado pelo Decreto-Lei nº 152/2017, de 17 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).

4º TRIMESTRE 2018  
1 de outubro a 31 de dezembro

Parâmetro (unidades)	Valor Paramétrico (VP)	Valores obtidos		Nº Análises superiores VP	% Cumprimento do VP	Nº Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
<i>Escherichia coli</i> (N/100 ml)	0	0	0	0	100%	50	50	100%
Bactérias coliformes (N/100 ml)	0	0	17	3	94%	50	50	100%
Desinfetante residual (mg/L)	---	< 0,05	1,5	---	---	48	48	100%
Alumínio (µg/L Al)	200	30	86	0	100%	5	5	100%
Amónio/azoto amoniacal (mg/L NH <sub>4</sub> )	0,50	< 0,05	< 0,05	0	100%	21	21	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	ND	>300	---	---	21	21	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	ND	>300	---	---	21	21	100%
Conductividade (µS/cm a 20°C)	2500	37,6	158	0	100%	21	21	100%
<i>Clostridium perfringens</i> (N/100ml)	0	0	0	0	100%	5	5	100%
Cor (mg/L PtCo)	20	< 5	< 5	0	100%	21	21	100%
pH (Unidades pH)	≥6,5 e ≤9	5,6	7,6	7	67%	21	21	100%
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	< 10	36	0	100%	21	21	100%
Nitratos <sup>2</sup> (mg/L NO <sub>3</sub> )	50	< 1	25	0	100%	23	23	100%
Nitritos (mg/L NO <sub>2</sub> )	0,5	---	---	---	---	---	---	---
Oxidabilidade (mg/L O <sub>2</sub> )	5	< 2	2,8	0	100%	21	21	100%
Cheiro a 25°C (Factor de diluição)	3	< 1	1	0	100%	21	21	100%
Sabor a 25°C (Factor de diluição)	3	< 1	1	0	100%	21	21	100%
Turvação (NTU)	4	< 0,3	17	2	90%	21	21	100%
Antimónio (µg/L Sb)	5	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO <sub>3</sub> )	10	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
1,2 - dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Dureza total (mg/L CaCO <sub>3</sub> )	---	---	---	---	---	---	---	---
Enterococos (N/100 ml)	0	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Mercúrio (µg/L Hg)	1	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Selénio (µg/L Se)	10	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Sulfatos (mg/L SO <sub>4</sub> )	250	---	---	---	---	---	---	---
Carbono Orgânico Total (mg/L C)	Sem alteração anormal	---	---	---	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L):	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	---	---	---
Tricloroetano (µg/L)	---	---	---	---	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L):	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	---	---	---
Bromofórmio (µg/L)	---	---	---	---	---	---	---	---
Bromodlorometano (µg/L)	---	---	---	---	---	---	---	---
Dibromodlorometano (µg/L)	---	---	---	---	---	---	---	---
Dose Indicativa (mSv)	0,10	---	---	---	---	---	---	---
Alfa-total (Bq/L)	0,10 (nível de verificação)	---	---	---	---	---	---	---
β-Total (Bq/L)	1,0 (nível de verificação)	---	---	---	---	---	---	---
Radão (Bq/L)	500	---	---	---	---	---	---	---
Pesticidas - total (µg/L)	0,50	---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Clorpirifos (µg/L)	0,10	---	---	---	---	---	---	---
Desetiterbutiazina (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	0,10	---	---	---	---	---	---	---
Imidaciopride (µg/L)	0,10	---	---	---	---	---	---	---
MCPA (µg/L)	0,10	---	---	---	---	---	---	---
Terbutiazina (µg/L)	0,10	---	---	---	---	---	---	---

NOTA 1: Zonas de abastecimento controladas: Abrunhosa-A-Velha, Vila Mendo de Tavares, Chãos de Tavares, Corvaceira, Cunha Alta, Abrunhosa do Mato, Cunha Baixa, Darei, Póvoa de Cervães, Contendas de Baixo, Contendas de Cima, Santiago de Cassurraes, Vila Cova de Tavares, Travanca de Tavares, Quinta da Moita, Aldeia Nova, Vila Seca, Avinhó, Pinheiro de Tavares, Casais, S. João, Vila Nova de Espinho, Fagilde e Mangualde.

NOTA 2: Parâmetro (conservativo) analisado pela entidade gestora em alta - SMAS de Viseu

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

pH - Características hidrogeológicas naturais da origem da água. Não foram tomadas medidas corretivas.

Turvação - Não foram tomadas medidas corretivas, porque análises posteriores não confirmaram o incumprimento.

Bactérias coliformes - Foi corrigido o funcionamento do sistema de tratamento, tendo sido o incumprimento ultrapassado.

O Presidente da Câmara,

  
O Vice - Presidente da Câmara  
(por delegação)

Data da publicação: 13/02/2019